

**VIDHYADEEP INSTITUTE OF COMPUTER &  
INFORMATION TECHNOLOGY, ANITA-KIM.**



**VEER NARMAD SOUTH GUJARAT UNIVERSITY  
(VNSGU)**

**PROJECT REPORT ON**

**“DG-ESTATE”**

**AS A PARTIAL REQUIREMENT FOR THE DEGREE OF**

**BACHELOR OF COMPUTER APPLICATIONS**

**[B.C.A]**

**3 YEARS INTEGRATED COURSE**

**YEAR: 2019 – 2022**

**GUIDED BY:**

Drashti Bhatt  
(Internal Guide)

**SUBMITTED BY:**

Darshan Nariya  
Seat No: 111111  
(E19110403000110036)

**ORGANIZATION:**

KG Krunch  
Solutions

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## VIDHYADEEP INSTITUTE OF COMPUTER & INFORMATION TECHNOLOGY

### CERTIFICATE

This is to certify that the Project report, submitted for the Project entitled “**DG-Estate**” has been carried out by “**Darshan A Nariya**” (E19110403000110036) at BCA Department of Vidhyadeep Institute of Computer & Information Technology, Kim for partial fulfilment of BCA degree to be awarded by Veer Narmad South Gujarat University. This Project work has been carried out under my Supervision and is to my satisfaction.

Place: - KIM

Date: -

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Internal Guide

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Head of Department

---

JURY









# Project Progress Report

**Date:** 30/03/2022

**Name:** Darshan A Nariya

**En. No:** E19110403000110036

To,

Project Coordinator,  
Vidhyadeep Institute of Computer  
& Information Technology (BCA)  
Kim (Anita).

**SUBJECT: “DG-Estate” / Real Estate Website**

Respected Sir/Madam,

I am so glad to present my project report on “**DG-Estate**” which is prepared as a part of six semester project in BCA.

**Tools & Technical stack:** Laravel 8, WAMP v4 Stack, Bootstrap, JQuery, Font Awesome, Data Tables, Fancy Apps, CKEditor.

**Internal Guide Signature**

## **Completed Tasks:**

<b>Date</b>	<b>Task Name</b>
<b>6/1/2022</b>	Laravel Base Created, Category and City added.
<b>10/1/2022</b>	Features, Property module added.
<b>18/1/2022</b>	Gallery module, hash security added.
<b>21/1/2022</b>	Site Settings, users list module added, problems fixed.
<b>22/1/2022</b>	Frontend started, home carousal, navbar, added.
<b>24/1/2022</b>	Category showing on home page and few fixes.
<b>25/1/2022</b>	Category and city listed in navbar, property page started.
<b>27/1/2022</b>	Features added in property module.
<b>30/1/2022</b>	Facilities module, font awesome, phone and email added.
<b>1/2/2022</b>	Pagination, property sorting, and bug fixes
<b>6/2/2022</b>	Admin redirect from home page, route authentication, blade format update and property search added.
<b>19/2/2022</b>	Ajax delete profile image, save property added, code formatted, clutter cleared
<b>23/2/2022</b>	DB migrations fixed, review section started, property filter added.
<b>2/3/2022</b>	Review added, reviews listed in admin panel.
<b>6/3/2022</b>	Reviews can be deleted from admin.
<b>8/3/2022</b>	Change password, few fixes, admin dashboard started.
<b>12/3/2022</b>	Dashboard (partly), CMS, and frontend fixes added.
<b>14/3/2022</b>	Fancy box, CK-Editor added.

**Internal Guide Signature**

# Acknowledgement

In successfully completing of this project, many websites, blogs, posts, videos, discussions have helped me.<sup>1</sup> I would like to thank all these, I have also upvoted these blogs, videos whenever it was possible.

Every single problem in this project gave me a challenge, and I like challenges, it gave me huge confidence boost whenever I solved any challenging problem.

The Company where I worked (KG Krunch Solutions) was also a big help, while I didn't make my project there, but I learned a lot while working there.<sup>2</sup> I will be always thankful to the company and team.

This project doesn't just show how much I know it also shows how much I don't know. So, I'm looking forward to learn new things every day.

Now let's come to the college "VIDHYADEEP INSTITUTE OF COMPUTER & INFORMATION TECHNOLOGY", while admin department was a pain to work with, where I had some uneasy experiences, our department's professors were easy on us, gave us lot of freedom. It was an experience in its own, and I thank all the faculty.<sup>3</sup>

For upcoming days and new things, I'm ready, one day at a time, finally thanks to all the people and things that helped me directly or indirectly.

Darshan Nariya

---

<sup>1</sup> Because I'm introvert I didn't really ask someone else to help me actually.

<sup>2</sup> Because I only learn things when I'm under pressure.

<sup>3</sup> Fun fact: every semester there was one new faculty replacing other.

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# 1 Introduction Profiles

## 1.1 Project Profile

<b>Title</b>	DG-Estate
<b>Organization</b>	KG-Krunch Solutions
<b>Category</b>	Local Property listing Website
<b>Duration</b>	3 Months
<b>Front-End</b>	Blade (Laravel Framework)
<b>Back-End</b>	Laravel Framework (PHP) + MySQL
<b>Guide</b>	Drashti Bhatt (Internal Guide)
<b>Submitted by</b>	Darshan Arvind Bhai Nariya Seat No: 111111 (E19110403000110036)
<b>Submitted to</b>	Vidhyadeep Institute of Computer & Information Technology

## 1.2 Company Profile

<b>Company Name</b>	KG Krunch Solutions
<b>Proprietor Name</b>	Ashish Gajera
<b>Business Type</b>	Solutions Provider
<b>Address</b>	411, Platinum Plaza, Neat VT circle, Sarthana Jakat Naka, Surat
<b>Contact No</b>	+919727143568
<b>Website</b>	<a href="http://kgkrunch.com">http://kgkrunch.com</a>
<b>Email</b>	<a href="mailto:info@kgkrunch.com">info@kgkrunch.com</a>
<b>Service Range</b>	Global

## 2 Objective of Project

### 2.1 User

The main User side Objectives are:

- To enable users to surf all listed properties.
- Users can surf properties without the need of creating account.
- Users can filter properties by category, city, and search by property title.
- Users can create account and manage their profile, save properties, review properties, and change their password.

### 2.2 Admin

The main Admin side Objectives are:

- Admin can add, and update existing category, facilities, city, property.
- Admin can add and delete images in property gallery.
- Admin can delete user reviews.
- Admin can give other users admin access.

### 2.3 Root

The main Root side Objectives are:

- Root has access to all above features.
- Root is only one who can delete existing category, facility, city, property, and users.
- Root can manage website's Home, About, FAQ, Terms page in CMS.
- Root can manage website's other settings in Site Settings option.

# 3 Environment Description

## 3.1 Hardware Requirements

### 3.1.1 Server

<b>Processor</b>	3 <sup>rd</sup> Gen and above
<b>Memory</b>	4 GB and above
<b>Storage</b>	6 GB and above

### 3.1.2 Client

<b>Processor</b>	3 <sup>rd</sup> Gen and above
<b>Memory</b>	4 GB and above
<b>Storage</b>	6 GB and above

## 3.2 Software Requirements

### 3.2.1 Server

<b>Operating System</b>	Windows 7 or above (10 recommended), any Linux based, 64bit arch.
<b>Server</b>	Apache v 2.4 and above
<b>PHP</b>	PHP v 6 and above
<b>MySQL</b>	MySQL v 7 and above

### 3.2.2 Client

<b>Operating System</b>	Windows 7 or above (10 recommended), 64bit arch.
<b>Browser</b>	Any Chromium based Browsers

## 3.3 Development Environment

### 3.3.1 Hardware

<b>Processor</b>	Ryzen 5 3550H
<b>Memory</b>	8 GB
<b>Storage</b>	256 GB

### 3.3.2 Software

<b>Windows</b>	10/11 64bit
<b>WAMP server</b>	V 4.1
<b>Chrome</b>	V 99.0.4844.82 64bit
<b>Git</b>	Windows V 2.34.1
<b>Composer</b>	V 2.2.3
<b>VS Code</b>	V 1.50^
<b>Diagrams.net/Draw.io</b>	V 17.2.3

### 3.3.3 Dependencies

<b>Laravel</b>	V 8.x
<b>Bootstrap</b>	V 5.1.3
<b>Bootstrap Examples</b>	V 5.1
<b>JQuery</b>	V 3.6.0
<b>Font Awesome</b>	V 4 & V 5
<b>Data Tables</b>	V 1.11.4
<b>Data Tables Bootstrap</b>	V 1.11.4
<b>Fancy Apps</b>	V 4 Fancy Box & Carousal
<b>CKEditor</b>	V 4

## 3.4 Methods & Technologies

### 3.4.1 PHP

**PHP** is a general-purpose scripting language geared toward web development. It was originally created by Danish-Canadian programmer Rasmus Lerdorf in 1994. The PHP reference implementation is now produced by The PHP Group. PHP originally stood for Personal Home Page, but it now stands for the recursive initialism PHP: Hypertext Pre-processor.

PHP code is usually processed on a web server by a PHP interpreter implemented as a module, a daemon or as a Common Gateway Interface (CGI) executable. On a web server, the result of the interpreted and executed PHP code which may be any type of data, such as generated HTML or binary image data would form the whole or part of an HTTP response. Various web template systems, web content management systems, and web frameworks exist which can be employed to orchestrate or facilitate the generation of that response.

### 3.4.2 MySQL

**MySQL** is an open-source relational database management system (RDBMS). Its name is combinations of "My", the name of co-founder Michael Widenius' daughter, and "SQL", the abbreviation for Structured Query Language. The MySQL development project has made its source code available under the terms of the GNU General Public License, as well as under a variety of proprietary agreements. MySQL was owned and sponsored by a single for-profit firm, the Swedish company MySQL AB, now owned by Oracle Corporation. For proprietary use, several paid editions are available, and offer additional functionality.

MySQL is a central component of the LAMP open-source web application software stack (and other "AMP" stacks). LAMP is an acronym for "Linux, Apache, MySQL, and Perl/PHP/Python". Applications that use the MySQL database include: TYPO3, Moodle, Joomla, WordPress, php DB, MyDB, and Dural. MySQL is also used in many high-profile, large-scale websites, including Google (though not for searches), Facebook, Twitter, Flickr, and YouTube.

### 3.4.3 Laravel

**Laravel** is a free, open-source PHP web framework, created by “Taylor Otwell” and intended for the development of web applications following the model-view-controller (MVC) architectural pattern and based on Symfony. Some of the features of Laravel are a modular packaging system with a dedicated dependency manager, different ways for accessing relational databases, utilities that aid in application deployment and maintenance, and its orientation toward syntactic sugar.

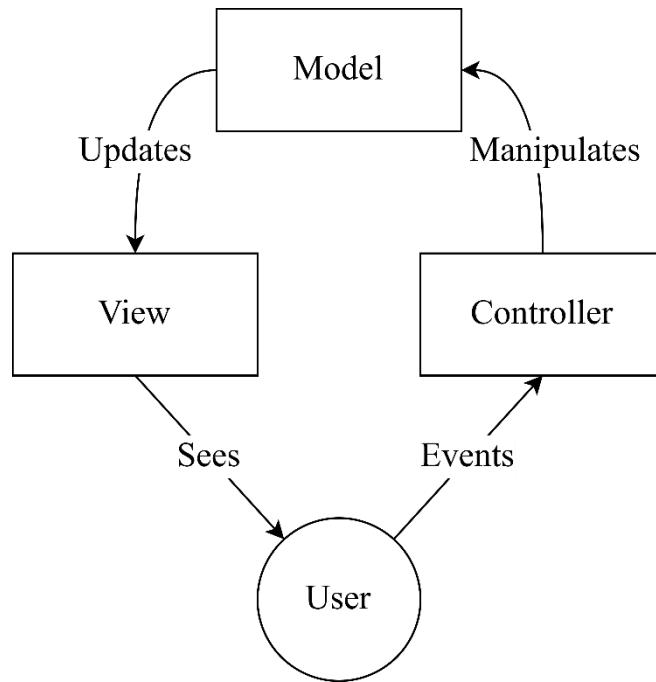
### 3.4.4 MVC

**Model-view-controller (MVC)** is a software design pattern commonly used for developing user interfaces that divide the related program logic into three interconnected elements. This is done to separate internal representations of information from the ways information is presented to and accepted from the user.

Traditionally used for desktop graphical user interfaces (GUIs), this pattern became popular for designing web applications. Popular programming languages have MVC frameworks that facilitate implementation of the pattern.

**The Model** component corresponds to all the data-related logic that the user works with. This can represent either the data that is being transferred between the View and Controller components or any other business logic-related data. For example, a Customer object will retrieve the customer information from the database, manipulate it and update it data back to the database or use it to render data.

**The View** component is used for all the UI logic of the application. For example, the Customer view will include all the UI components such as text boxes, dropdowns, etc. that the final user interacts with.



**Controllers** act as an interface between Model and View components to process all the business logic and incoming requests, manipulate data using the Model component and interact with the Views to render the final output. For example, the Customer controller will handle all the interactions and inputs from the Customer View and update the database using the Customer Model. The same controller will be used to view the Customer data.

### 3.4.5 Bootstrap

**Bootstrap** is a free and open-source CSS framework directed at responsive, mobile-first front-end web development. It contains HTML, CSS and (optionally) JavaScript-based design templates for typography, forms, buttons, navigation, and other interface components.

### 3.4.6 JQuery

**JQuery** is a JavaScript library designed to simplify HTML DOM tree traversal and manipulation, as well as event handling, CSS animation, and Ajax. It is free, open-source software using the permissive MIT License. As of May 2019, jQuery is used by 73% of the 10 million most popular websites. Web analysis indicates that it is the most widely deployed JavaScript library by a large margin, having at least 3 to 4 times more usage than any other JavaScript library.

**JQuery's** syntax is designed to make it easier to navigate a document, select DOM elements, create animations, handle events, and develop Ajax applications. jQuery also provides capabilities for developers to create plug-ins on top of the JavaScript library. This enables developers to create abstractions for low-level interaction and animation, advanced effects and high-level, theme-able widgets. The modular approach to the jQuery library allows the creation of powerful dynamic web pages and Web applications.

### 3.4.7 Composer

**Composer** is an application-level package manager for the PHP programming language that provides a standard format for managing dependencies of PHP software and required libraries. It was developed by Nils Adermann and Jordi Boggiano, who continue to manage the project. They began development in April 2011 and first released it on March 1, 2012. Composer is strongly inspired by Node.js's “npm” and Ruby's “bundler”. The project's dependency solving algorithm started out as a PHP-based port of openSUSE's libzypp satsolver.

# 4 System Planning

## 4.1 Feasibility Study

### 4.1.1 Summary

DG-Estate is property listing website where properties can only be listed by admin and root, while common users can surf through verity of properties by category, city, and search them by their title, logged in users can save properties, give reviews and manage their profile.

Real Estate website has so much potential to grow up in future, website can be upgraded into a platform where common users can also post their property for rent/sale, but these are future possibilities so we have to make this project scalable for the future.

For future scalability we can opt for Frameworks of any particular language, MVC architecture is preferable for such objectives mentioned above.

## 4.1.2 Technological Considerations

For these objectives described in summary we have to handle a database for that and all these handling have to be done on server side for security purpose. below are few server-side languages can be considered.

### Server-Side Languages:

- Node.js (JavaScript)
- PHP
- Java
- Ruby
- Python

From above list **PHP** is great option because it can be embedded inside HTML syntax, and has many frameworks which makes many tasks easy.

### PHP Frameworks:

- Laravel
- CodeIgniter
- Symfony

Above three are most popular framework of PHP and using one of these will also make changes in website later easier, because they use MVC architecture.

**Laravel** is huge consideration because of its eloquent modelling method which makes database queries more human readable, also its syntax is convenient once you get hang of it.

## 4.2 Requirement Specification

Requirements of client describe as follow:

- System should be easy to operate.
- System should provide secure and accurate data.

### 4.2.1 Users

**Users** are registered users whom have signed up in website. New Users have default type ‘U’.

#### Login

- Registered users have to insert their own registered email and password in login form to successfully log in.
- If User’s entered email is not registered show error that email is not registered.
- If User’s entered password doesn’t match then show invalid credentials error message.
- If credentials match add user in session.

#### Signup

- To Signup User has to provide name, email, and password with confirmation.
- If entered email already exists then show error.
- If password doesn’t match with confirmation show error.
- If no errors occurs then register user.

#### Logout

- Check if user is logged in first.
- If user is logged in then remove user from session.

#### User Profile

- Login required.
- Profile includes image, bio, email options.

## User Change Password

- Login required.
- User have to provide old password and new password with confirmation to change password.

## Save Property

- Login required.
- If user is logged in show save property button in properties.
- Saved properties can be seen in specific saved page.

## Review

- Login required.
- Logged in users can give reviews to properties.

## 4.2.2 Admin

User who is type ‘A’ is considered **Admin**.

### Login

- Admin have to login in admin specific page to access Admi Panel.
- After entering correct username and password admin session is started.
- Admin is redirected to Admi Panel dashboard after successful login.

### Logout

- Login required.
- If admin is logged in remove admin session.

### Category

- Login required.
- Admin can Add/Update Categories.

### City

- Login required.
- Admin can Add/Update Cities.

## Facility

- Login required.
- Admin can Add/Update Facilities.

## Property

- Login required.
- Admin can Add/Update Properties.

## Gallery

- Login required.
- Admin can Add/Delete Images in property Gallery.

## Reviews

- Login required.
- Admin can Delete user's reviews.

## Users

- Login required.
- Admin can give Admin access to other users.

### 4.2.3 Root

**Root** is super user of this website who has access to all the features and functionalities available on the website. All functionalities mentioned for Users and Admin is also accessible by Root. User with type 'R' is considered Root.

- In addition of above accessibilities Root has few more options to manage
- Root can Delete Category/City/Facility/Property/User.
- Root can modify Page content from CMS menu which is only accessible by type 'R' User or Root user.
- Root can change site title, logo, and contact details from Site Settings option.

# 5 Proposed System

## 5.1 Summary

“DG-Estate” enables Users to surf local properties listed by Admin/Root by Category, City and search them by property title. Users can then contact individual property dealer who listed his property by the contact information they provided.

Users can save , review properties if they are logged in.

Website allows management by two levels Admin and Root. Admin and Root has most Access and Functionalities in this website, and Root has more Control than Admin.

## 5.2 Scope

For now, Scope of this website “DG-Estate” is Local, but it will be accessible to the global if client chooses to select global hosting.

Admin Panel allows Admin and Root to manage website content. Admin Panel allows access according to the type of user that is logged in.

Website is using MVC structure which will help in future scalability if in future client thinks about adding new features.

# 6 Detail Planning

## 6.1 Data-Flow Diagrams

A **Data-Flow Diagram** is a way of representing a flow of data through a process or a system (usually an information system). The DFD also provides information about the outputs and inputs of each entity and the process itself. A data-flow diagram has no control flow — there are no decision rules and no loops.

### Symbols and Notations Used in DFDs

1. **External entity:** an outside system that sends or receives data, communicating with the system being diagrammed. They are the sources and destinations of information entering or leaving the system. They might be an outside organization or person, a computer system or a business system. They are also known as terminators, sources and sinks or actors. They are typically drawn on the edges of the diagram.
2. **Process:** any process that changes the data, producing an output. It might perform computations, or sort data based on logic, or direct the data flow based on business rules. A short label is used to describe the process, such as “Submit payment.”
3. **Data store:** files or repositories that hold information for later use, such as a database table or a membership form. Each data store receives a simple label, such as “Orders.”
4. **Data flow:** the route that data takes between the external entities, processes and data stores. It portrays the interface between the other components and is shown with arrows, typically labelled with a short data name, like “Billing details.”

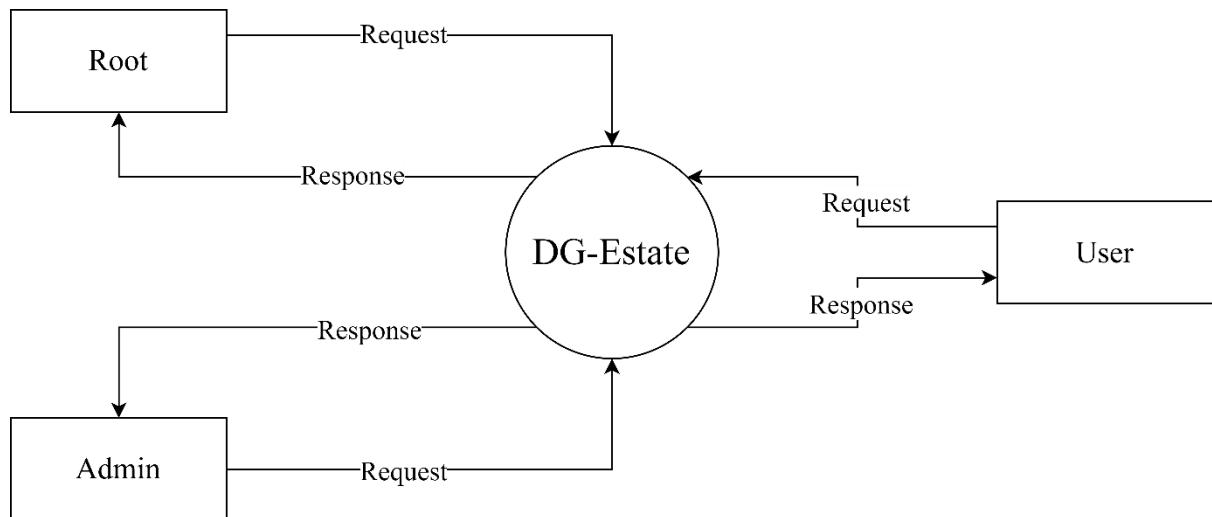
Notation	Symbol
External Entity	
Process	
Data Store	
Data Flow	

### Types of Data-Flow Diagram

A data flow diagram can dive into progressively more detail by using levels and layers, zeroing in on a particular piece. DFD levels are numbered 0, 1 or 2, and occasionally go to even Level 3 or beyond.

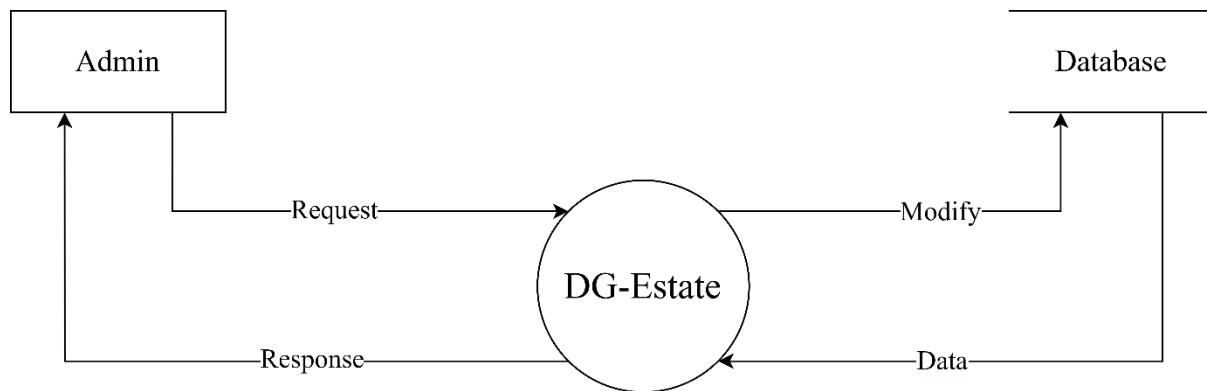
- **DFD Level 0** is also called a Context Diagram. It's a basic overview of the whole system or process being analysed or modelled. It's designed to be an at-a-glance view, showing the system as a single high-level process, with its relationship to external entities.
- **DFD Level 1** provides a more detailed breakout of pieces of the Context Level Diagram. You will highlight the main functions carried out by the system, as you break down the high-level process of the Context Diagram into its subprocesses.
- **DFD Level 2** then goes one step deeper into parts of Level 1. It may require more text to reach the necessary level of detail about the system's functioning.

### 6.1.1 Context Level DFD

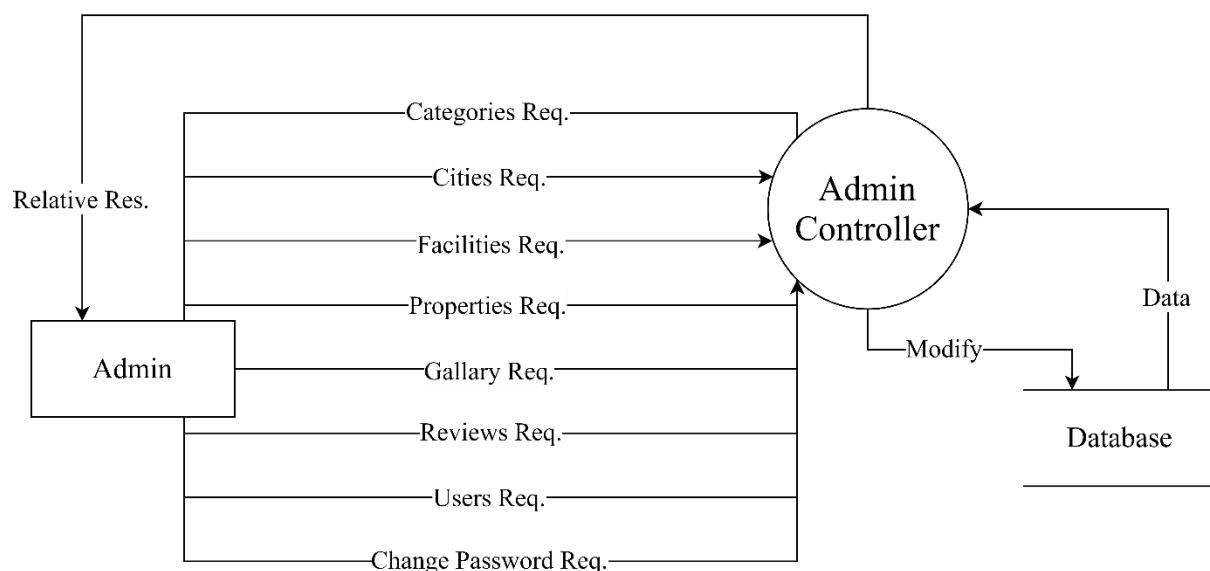


## 6.1.2 Admin DFDs

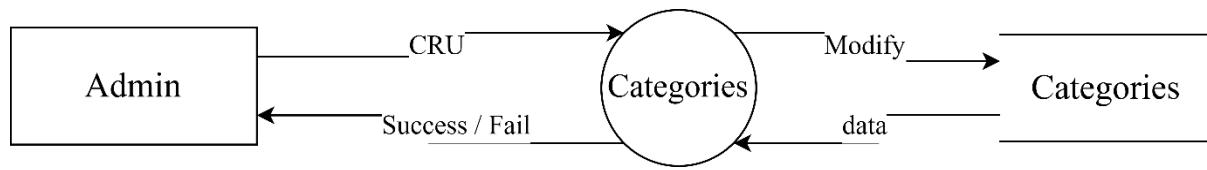
### Admin level 0



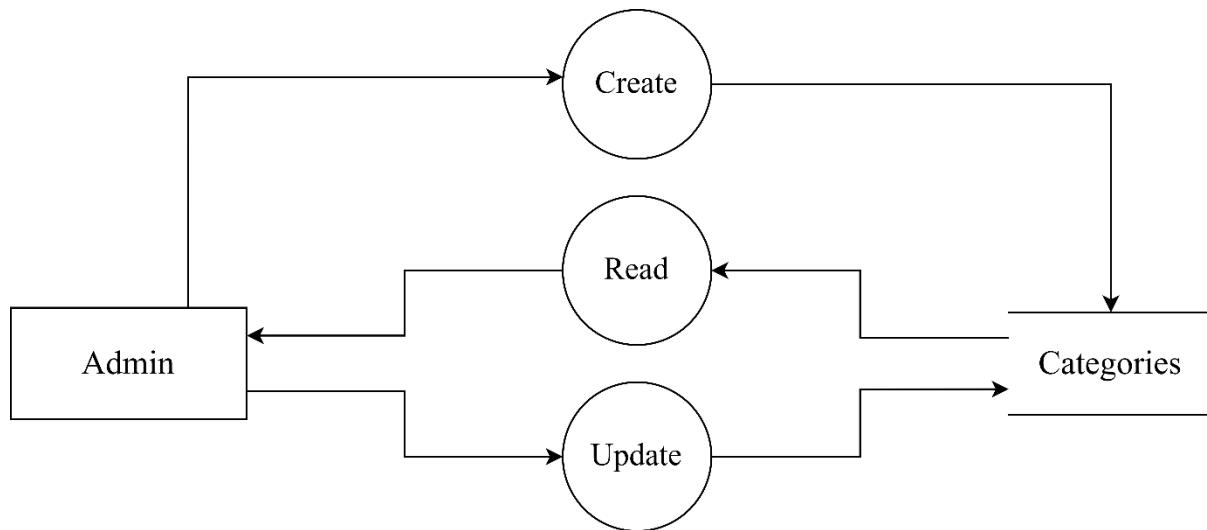
### Admin level 1



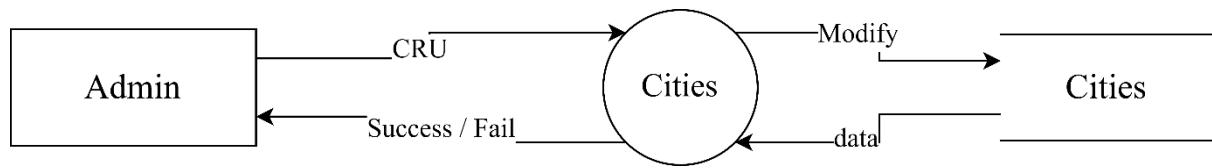
## Category level 0



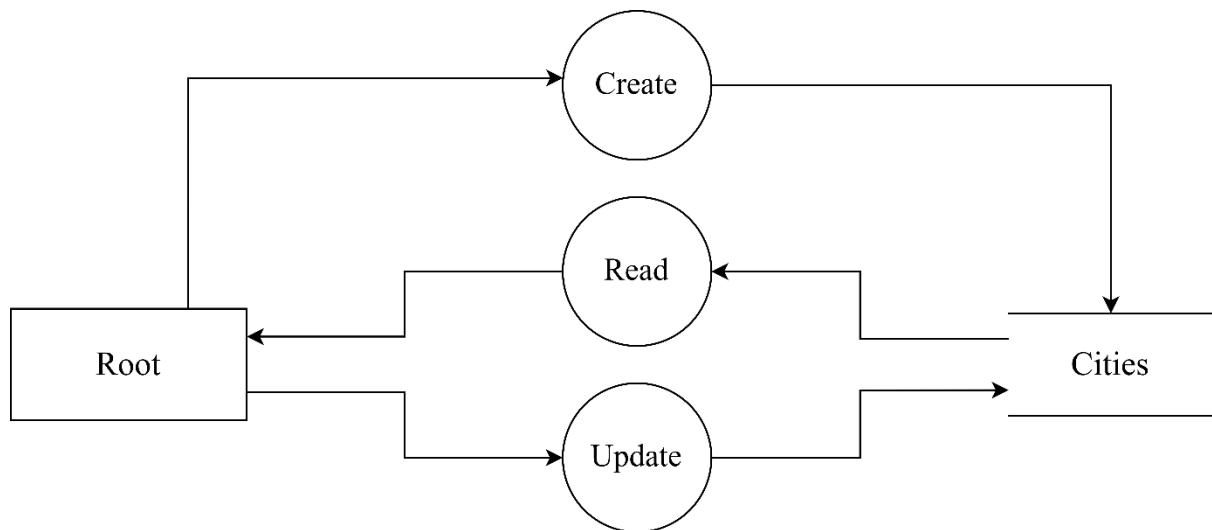
## Category level 1



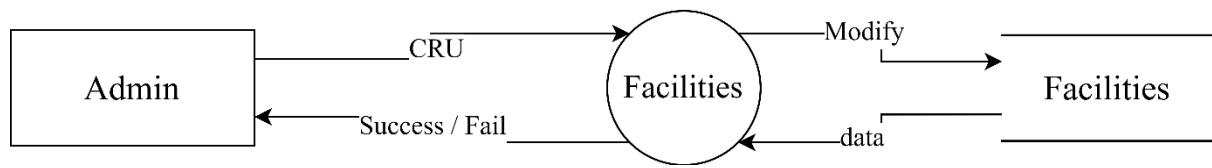
## City level 0



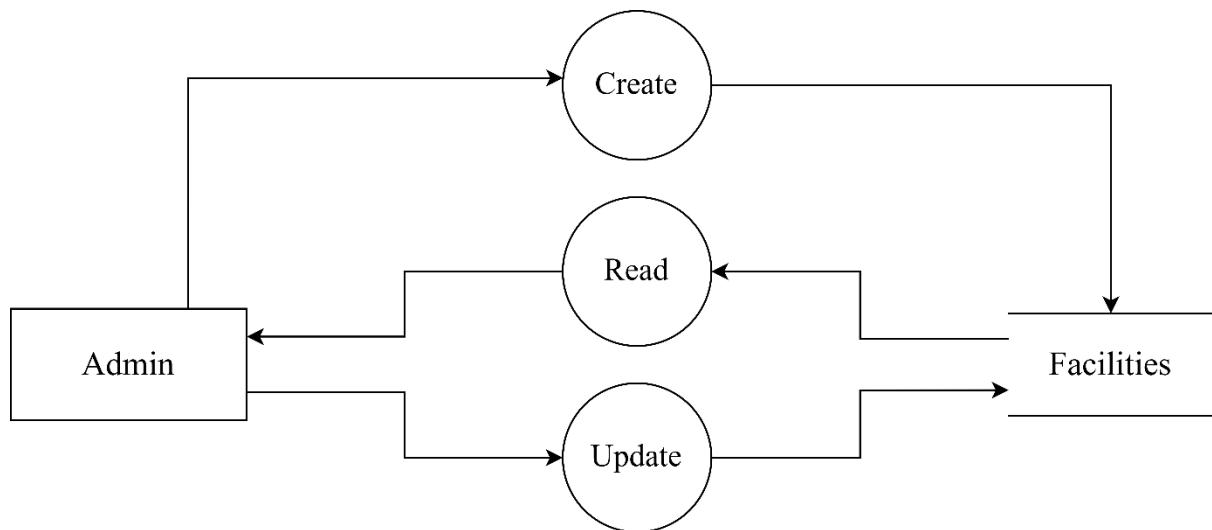
## City level 1



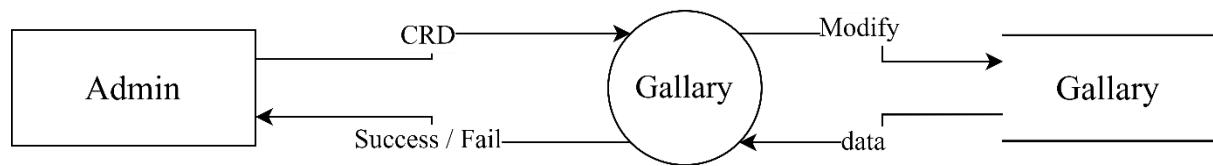
## Facility level 0



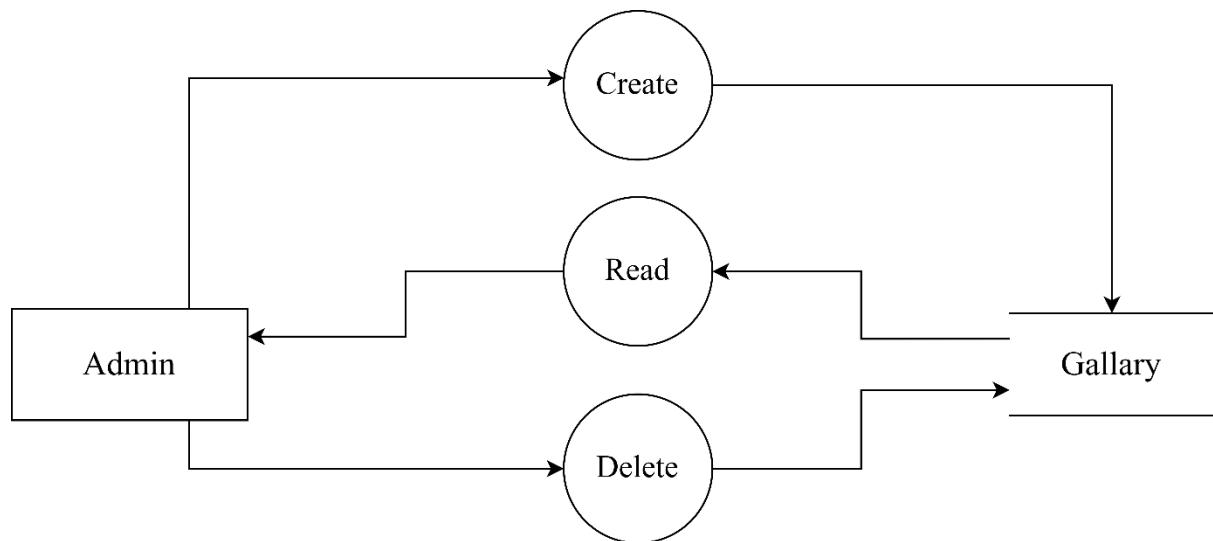
## Facility level 1



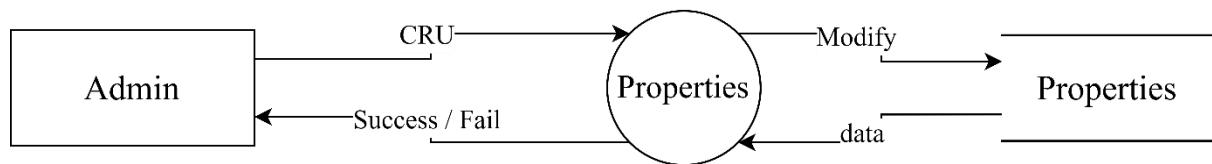
### Gallery level 0



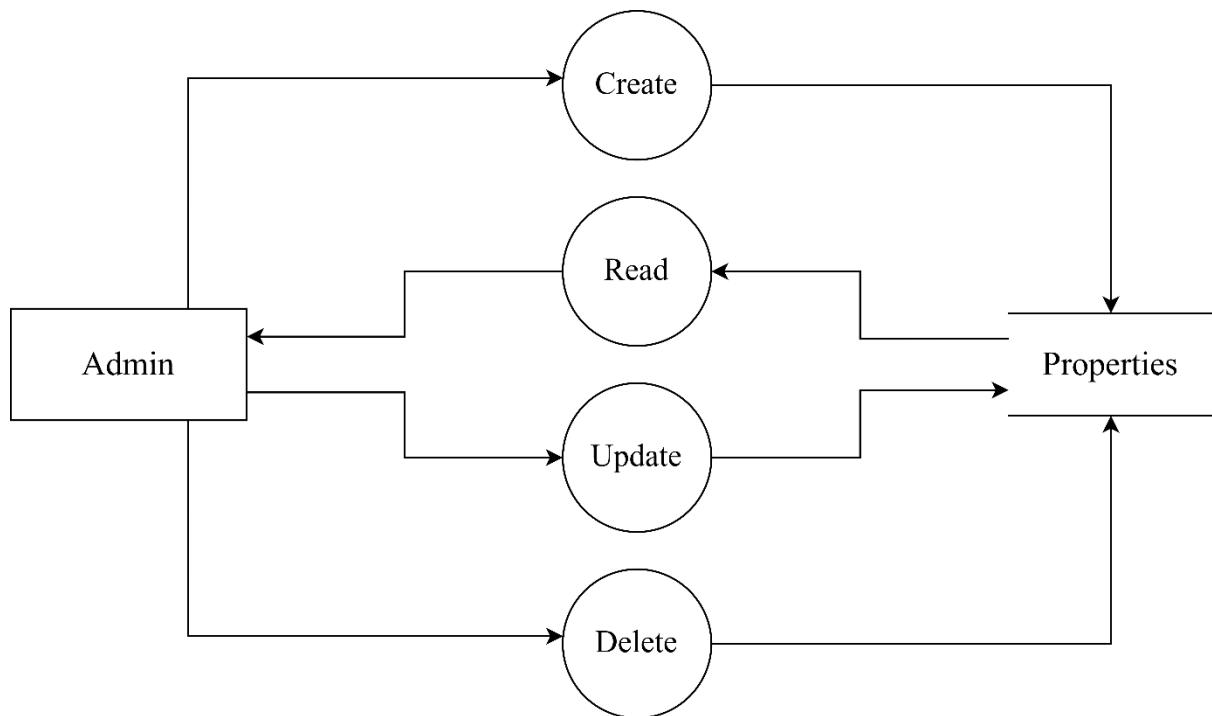
### Gallery level 1



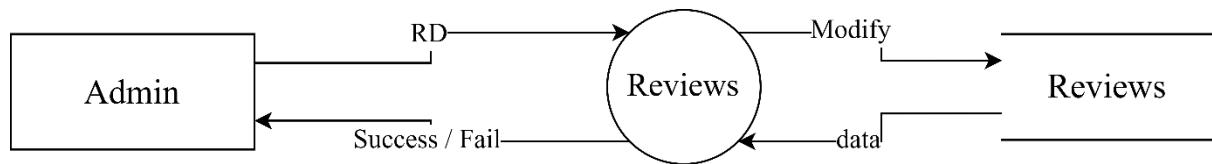
## Property level 0



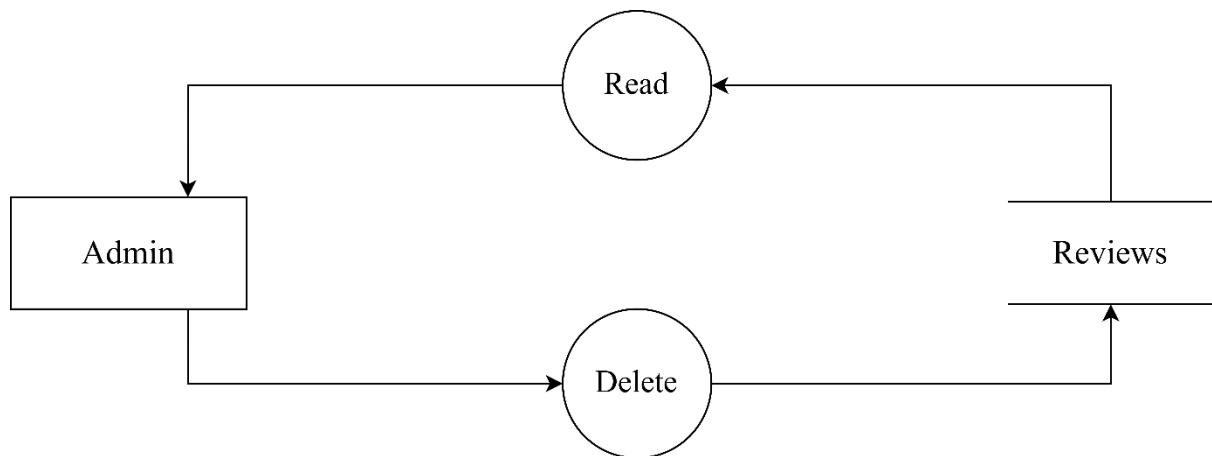
## Property level 1



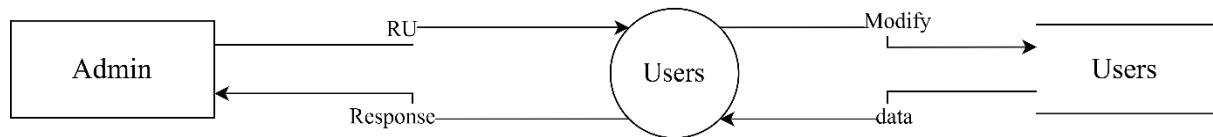
## Reviews level 0



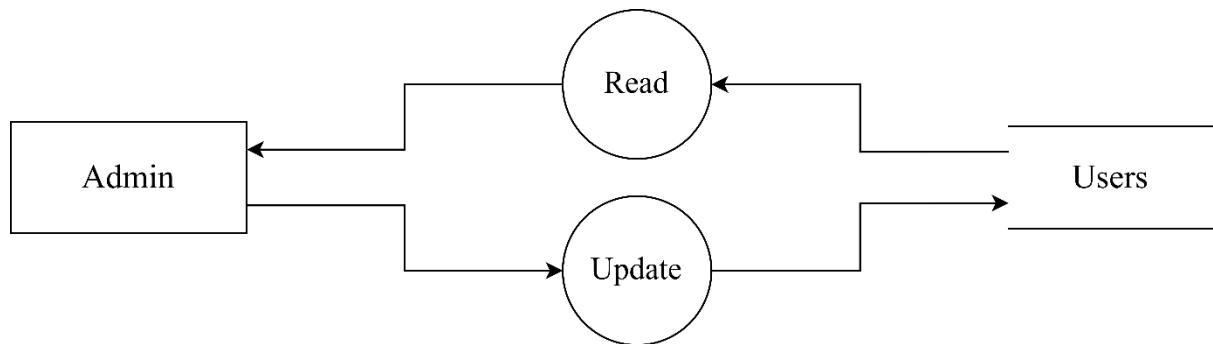
## Reviews level 1



## Users level 0

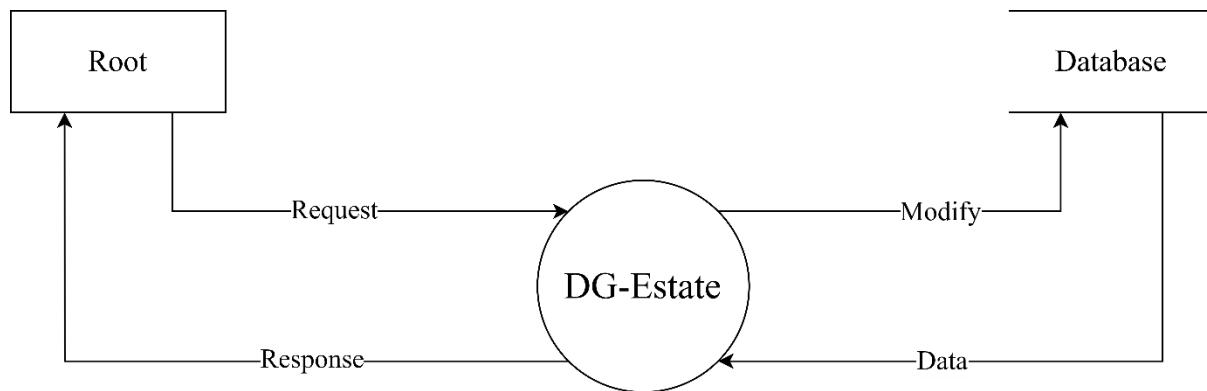


## Users level 1

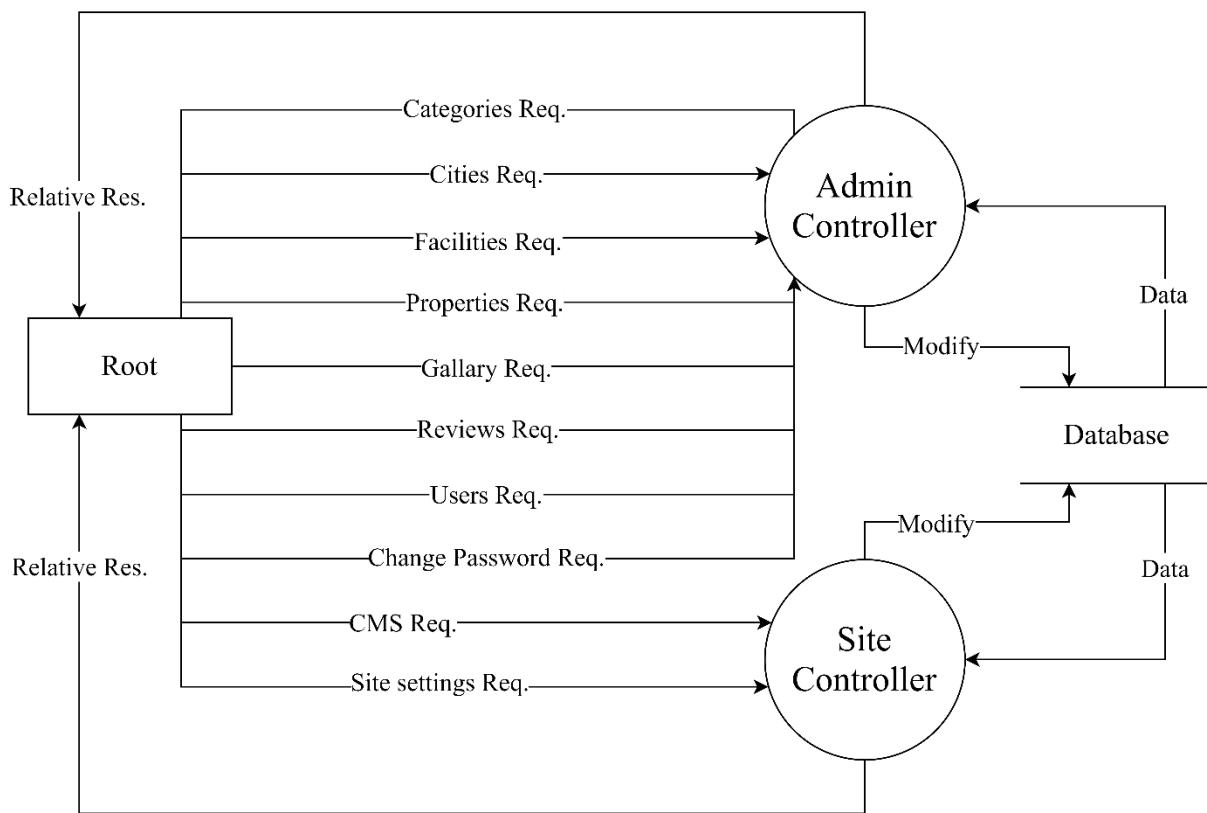


### 6.1.3 Root DFDs

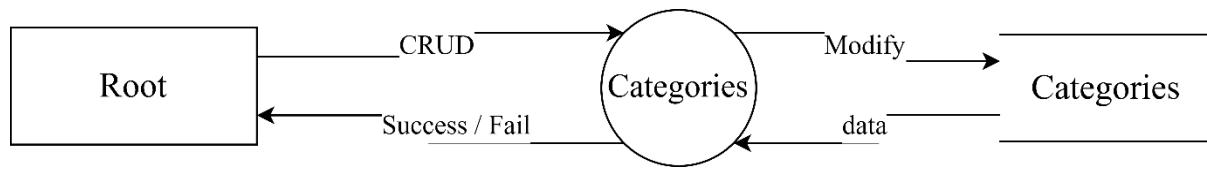
#### Root level 0



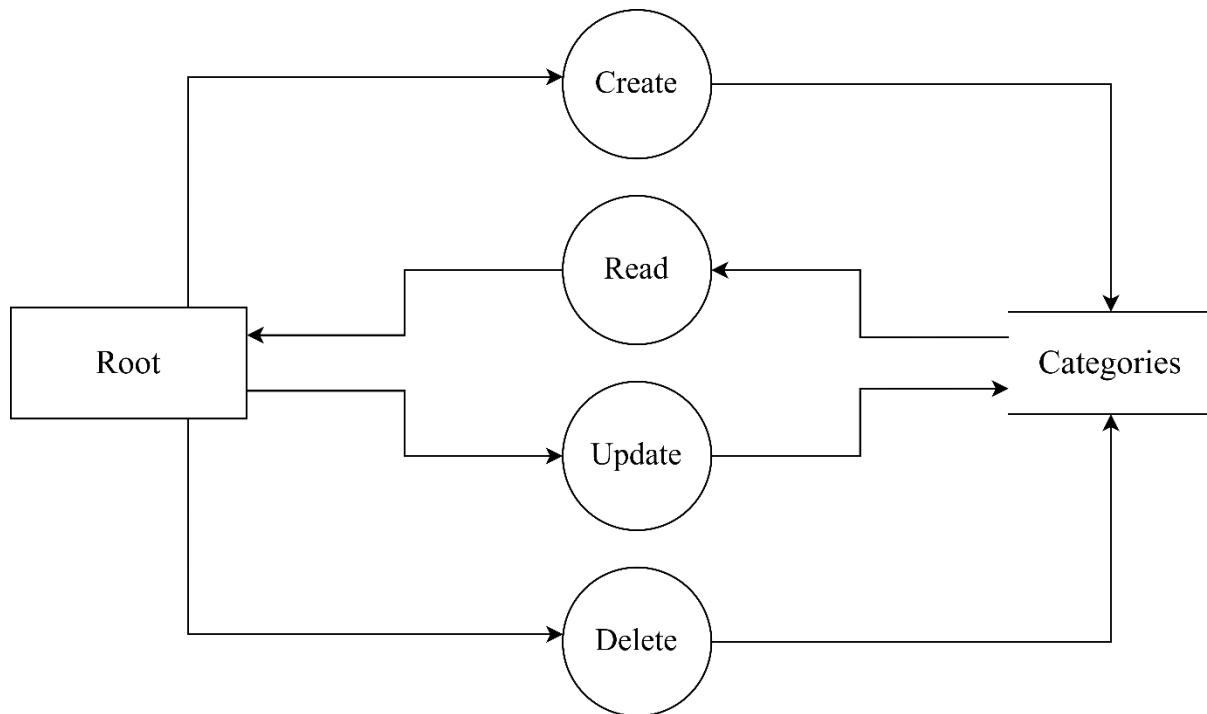
#### Root level 1

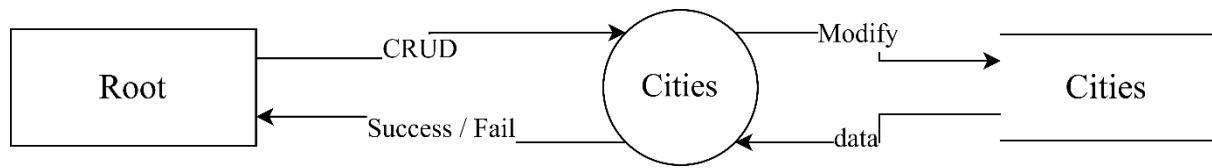
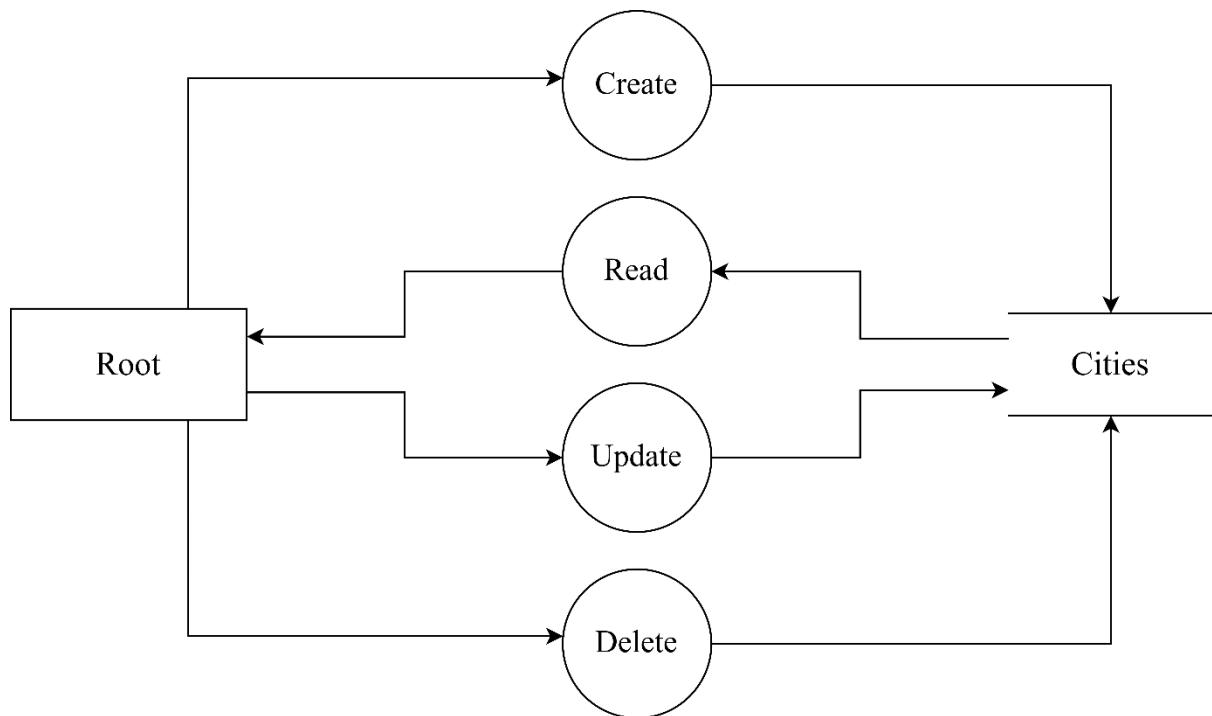


## Category level 0

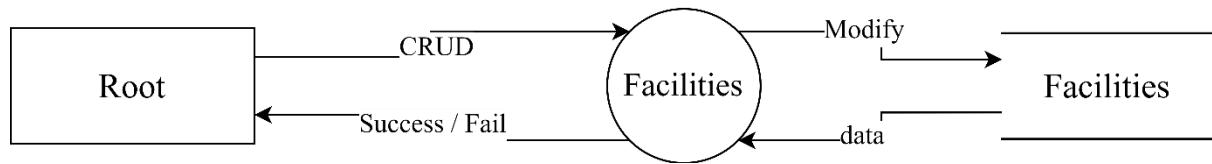


## Category level 1

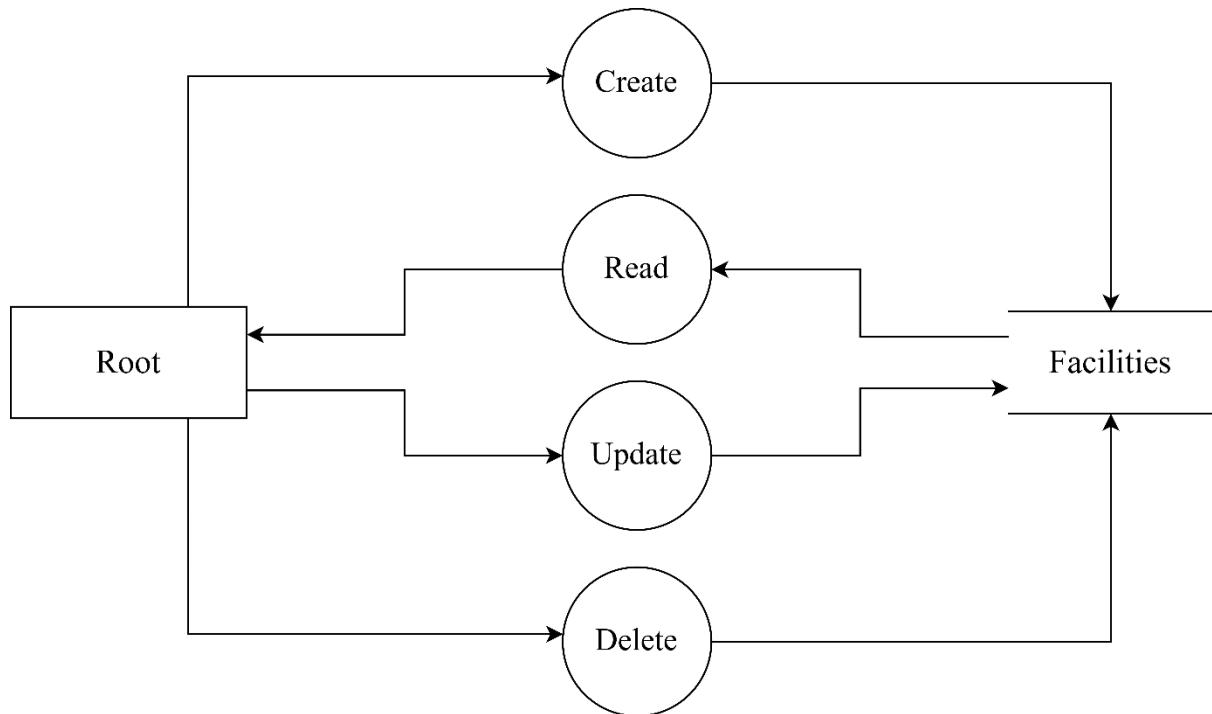


**City level 0****City level 1**

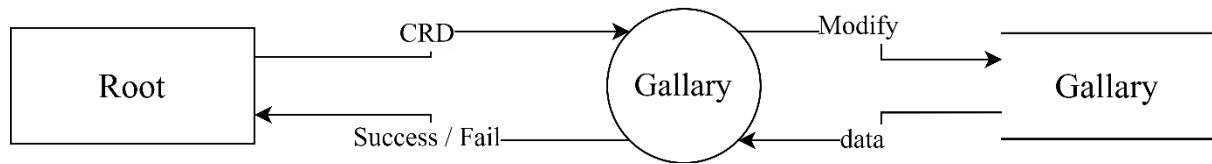
## Facility level 0



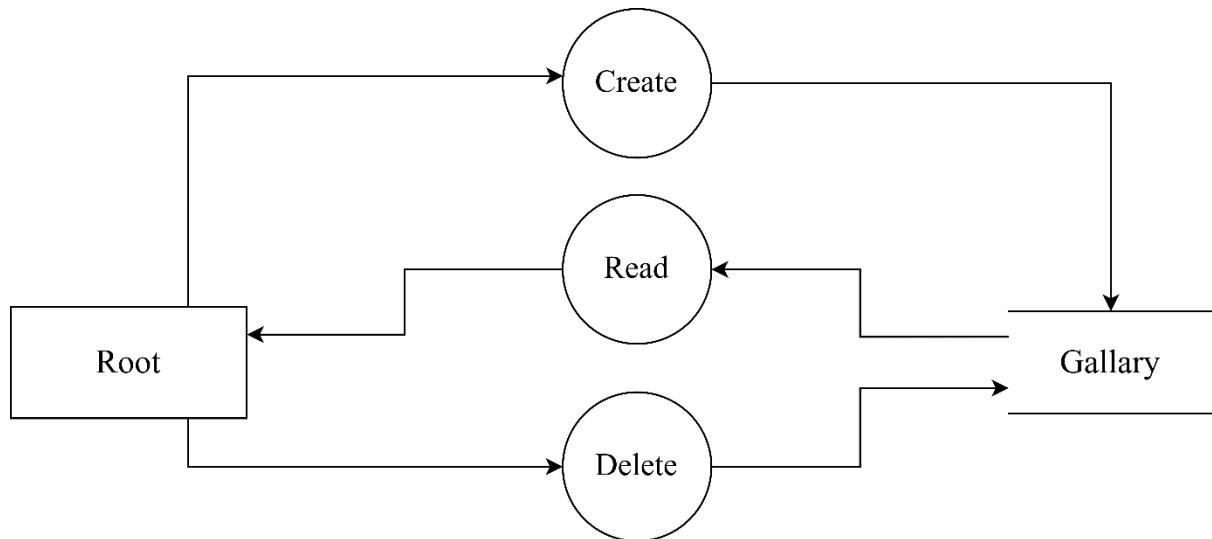
## Facility level 1



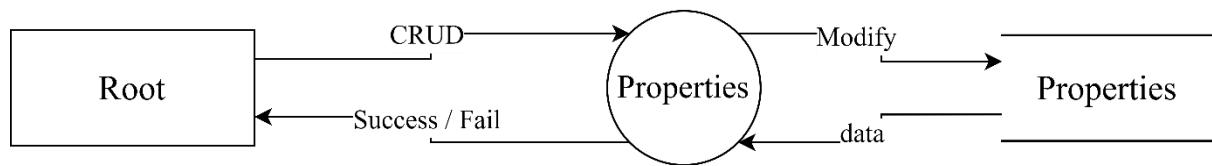
### Gallery level 0



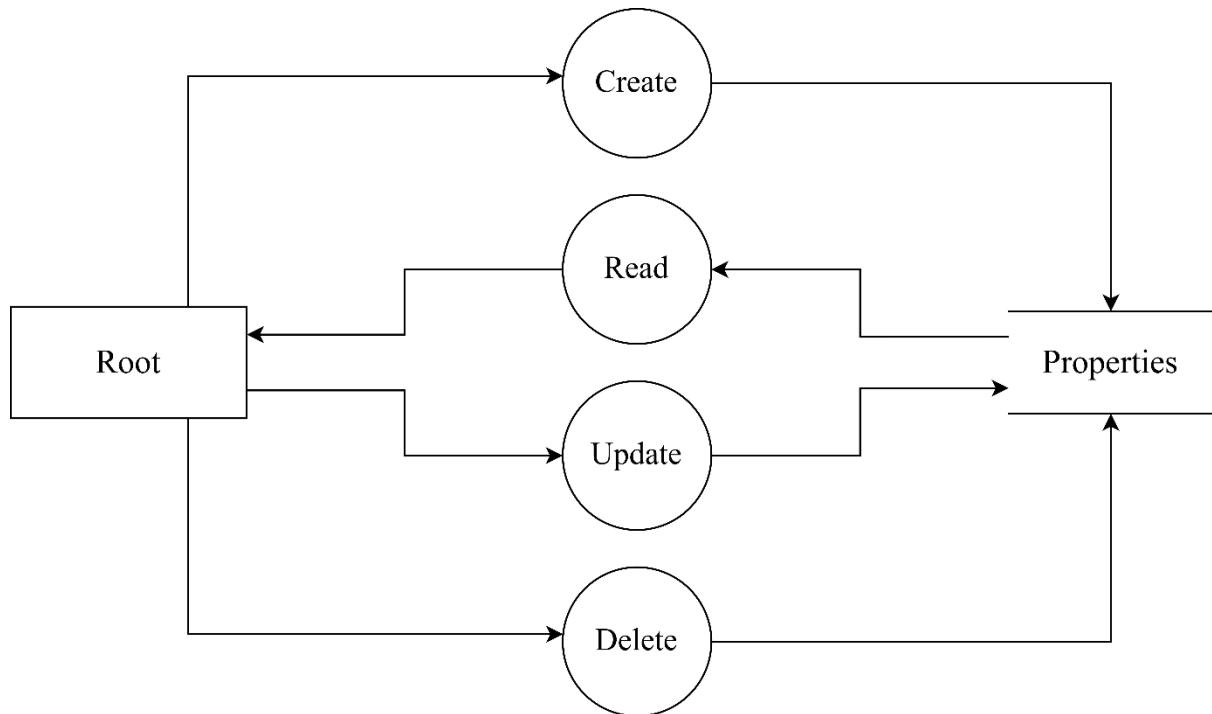
### Gallery level 1



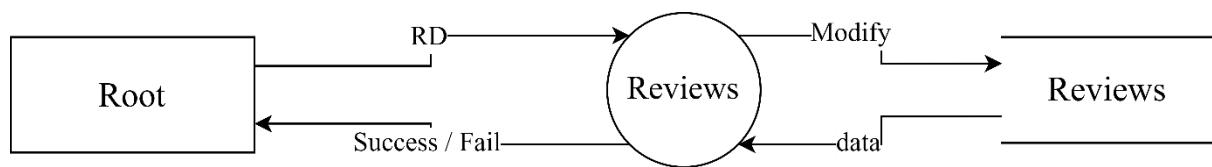
## Property level 0



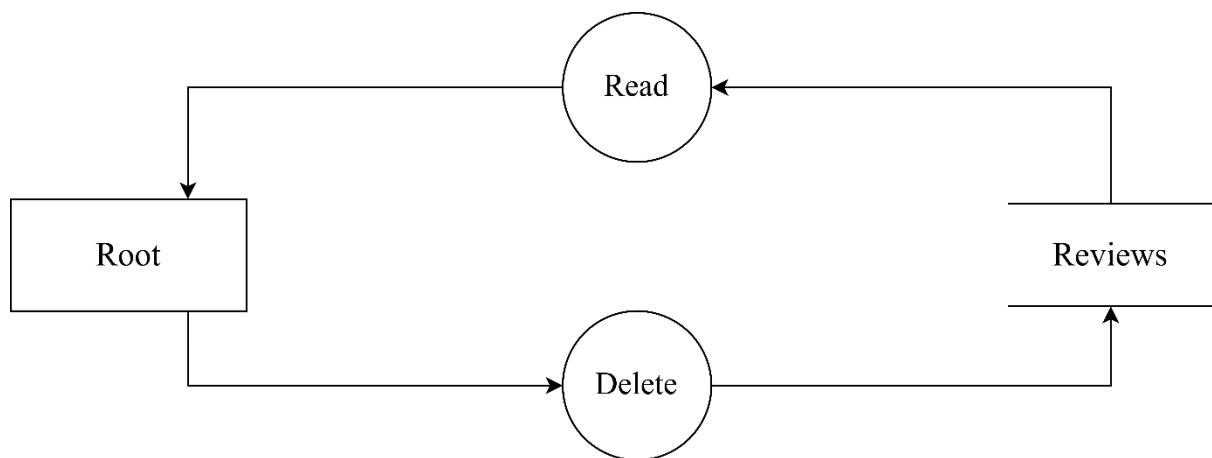
## Property level 1



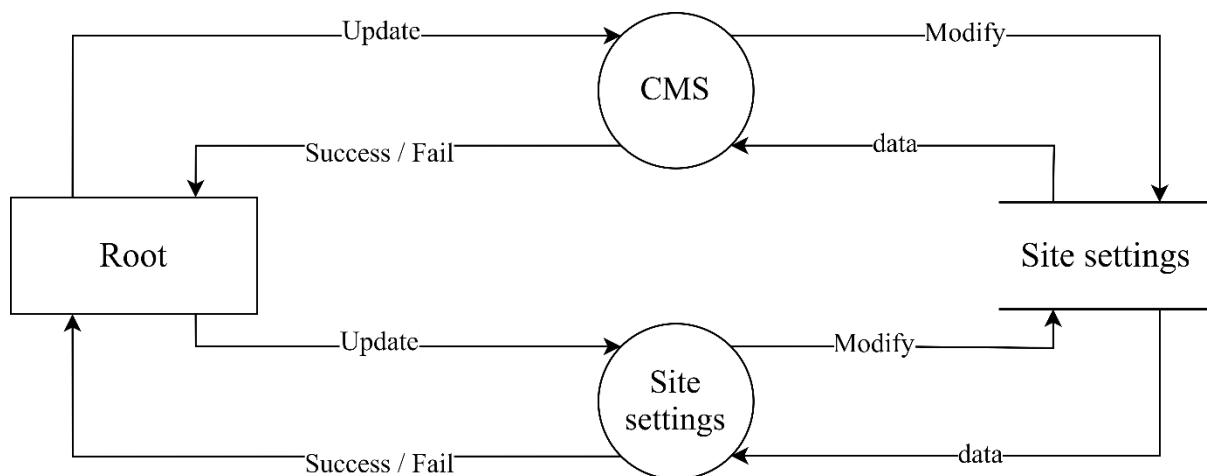
### Review level 0



### Reviews level 1

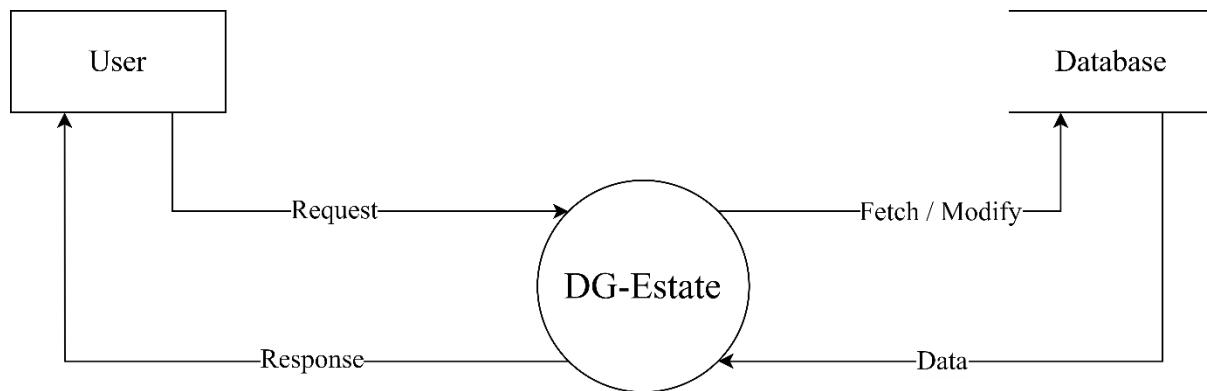


## Site Settings level 0

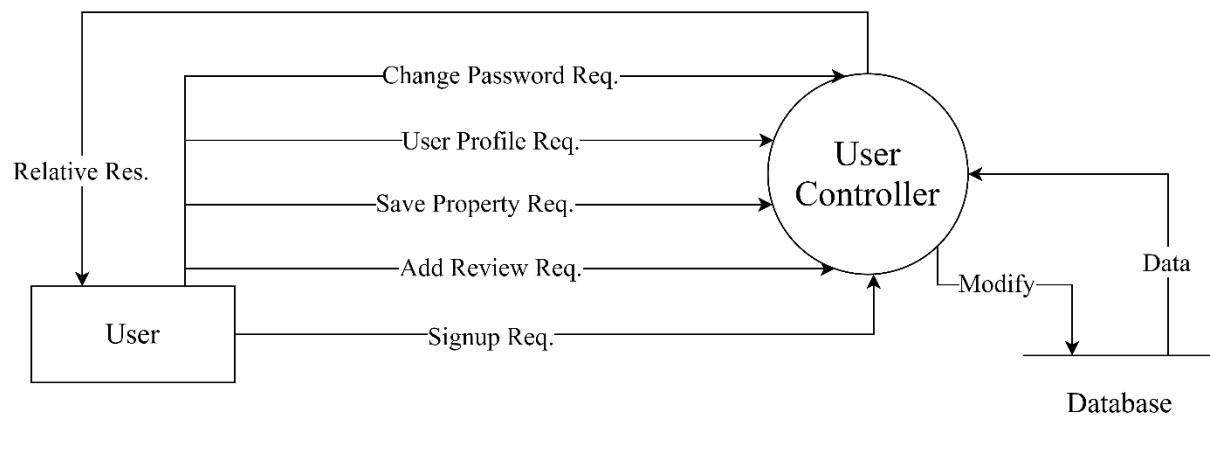


## 6.1.4 User DFDs

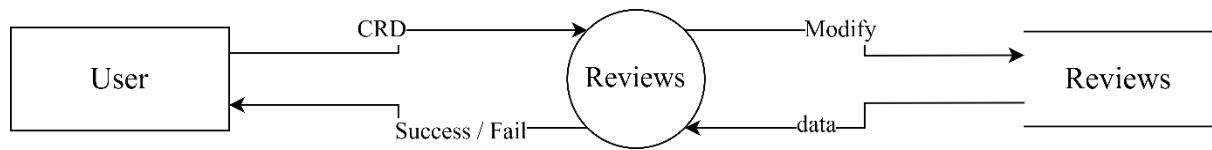
### User level 0



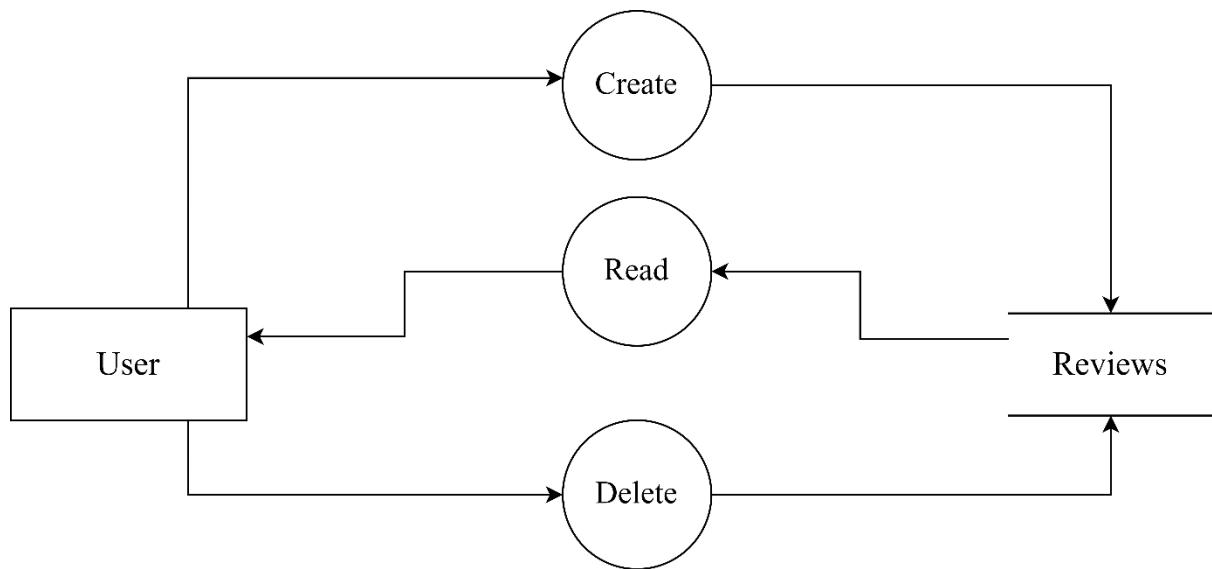
### User level 1



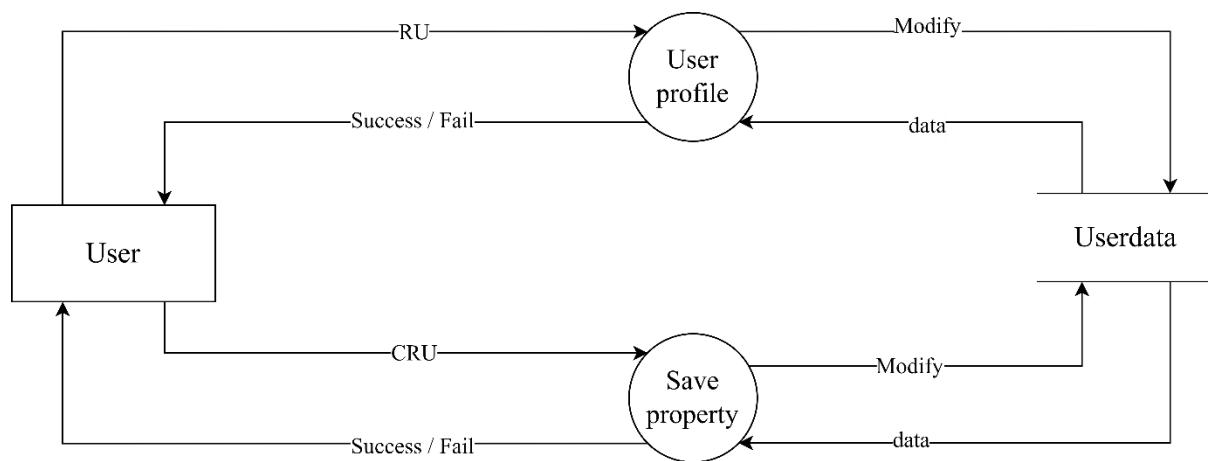
## Review level 0



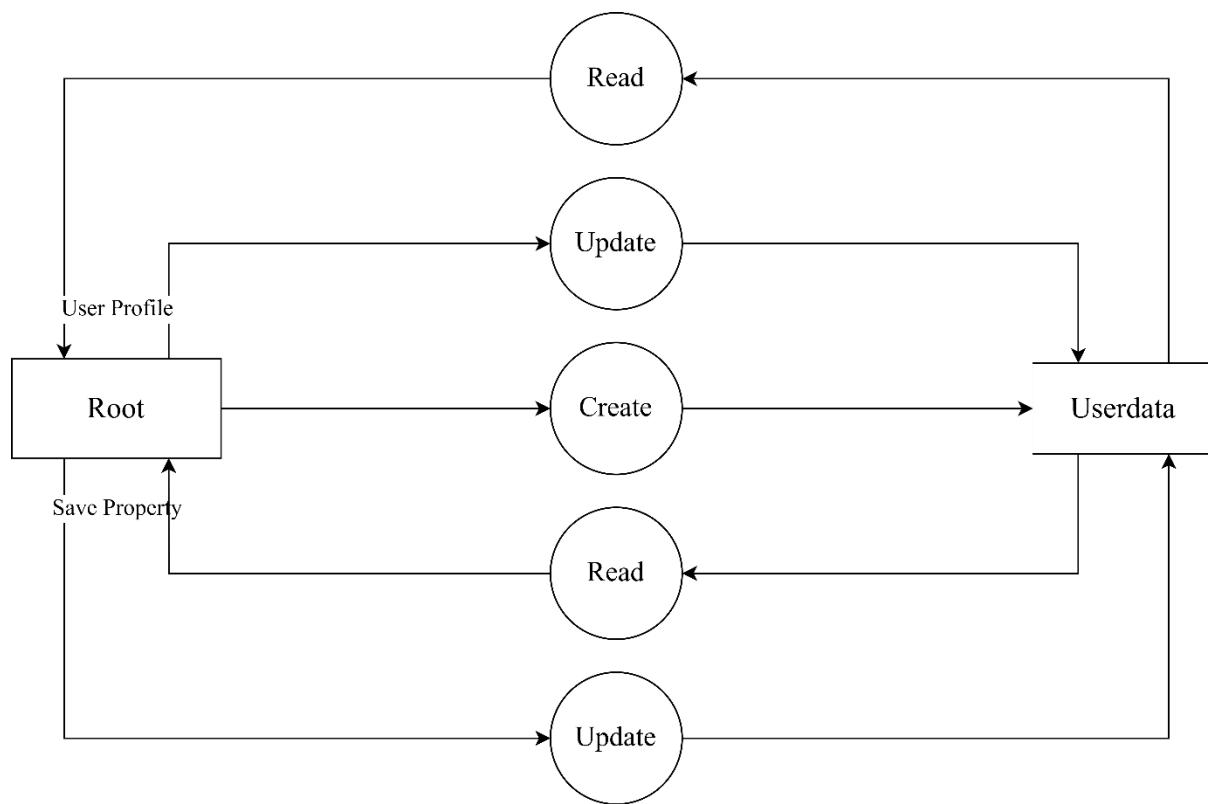
## Review level 1



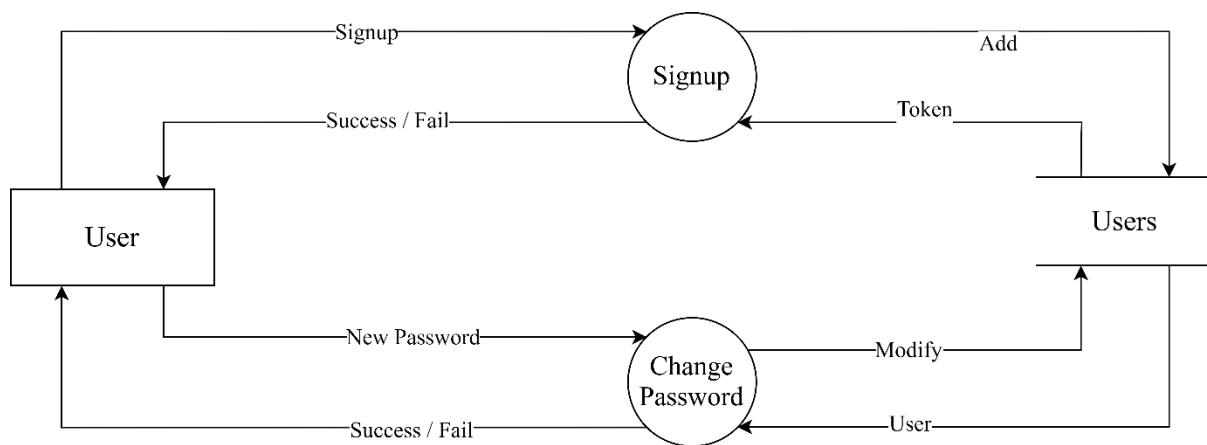
## User Data level 0



## User Data level 1



## Users level 0



## 6.2 Database Structure

Every Table will have default created\_at and updated\_at timestamps.

### Categories Table

#	Name	Type	Null	Extra
<b>PK</b>	Id	Bigint (20)	No	AI
<b>UK</b>	Name	Varchar	No	
	Slug_name	Varchar	No	
	Image	Varchar	No	

### Cities Table

#	Name	Type	Null	Extra
<b>PK</b>	Id	Bigint (20)	No	AI
<b>UK</b>	City	Varchar	No	
	Slug_city	Varchar	No	
	Status	Enum ('0', '1')	No	Default ('0')

### CMS Table

#	Name	Type	Null	Extra
<b>PK</b>	Id	Bigint (20)	No	AI
<b>UK</b>	Key	Varchar	No	
	Value	Text	Yes	

## Facilities Table

#	Name	Type	Null	Extra
<b>PK</b>	Id	Bigint (20)	No	AI
<b>UK</b>	Faci	Varchar	No	
<b>FK</b>	Slug_faci	Varchar	No	
	Fa	Varchar	Yes	
	Color	Varchar	Yes	

## Galleries Table

#	Name	Type	Null	Extra
<b>PK</b>	Id	Bigint (20)	No	AI
<b>FK</b>	Pro_id	Bigint (20)	No	
	Gal_image	Varchar	No	

## Properties Table

#	Name	Type	Null	Extra
<b>PK</b>	Id	Bigint (20)	No	AI
	Public	Tinyint (1)	No	Default (1)
	Title	Varchar	No	
	Title_slug	Varchar	No	
	Price	Decimal (10, 0)	No	
	Featured	Tinyint (1)	No	
	Purpose	Enum ('sale', 'rent', 'pg')	No	
<b>FK</b>	Category	Bigint (20)	No	
	Image	Varchar	Yes	
	Fe_image	Varchar	Yes	
<b>FK</b>	Faci	Varchar	Yes	
	Rooms	Int	No	
	Bathrooms	Int	No	
<b>FK</b>	City	Bigint (20)	No	
	Address	Varchar	No	
	Cont_ph	Varchar	No	
	Cont_em	Varchar	No	
	Area	Int	Yes	
	Description	Text	Yes	
	Video	Text	Yes	
	Floorplan	Varchar	Yes	

	Map	Text	Yes	
--	-----	------	-----	--

## Reviews Tables

#	Name	Type	Null	Extra
<b>PK</b>	Id	Bigint (20)	No	AI
<b>FK</b>	U_id	Bigint (20)	No	
<b>FK</b>	Pro_id	Bigint (20)	No	
	Review	Text	No	

## Site Settings Table

#	Name	Type	Null	Extra
<b>PK</b>	Id	Bigint (20)	No	AI
<b>UK</b>	Key	Varchar	No	
	Value	Text	Yes	

## Users Table

#	Name	Type	Null	Extra
PK	Id	Bigint (20)	No	AI
	Name	Varchar	No	
UK	Email	Varchar	No	
	Password	Varchar	No	
	Type	Enum ('U', 'R', 'A')	No	

## User\_data Table

#	Name	Type	Null	Extra
PK	Id	Bigint (20)	No	AI
	Image	Varchar	Yes	
	About	Varchar	Yes	
	Saved	Text	Yes	

## 6.3 Entity Relation Diagram

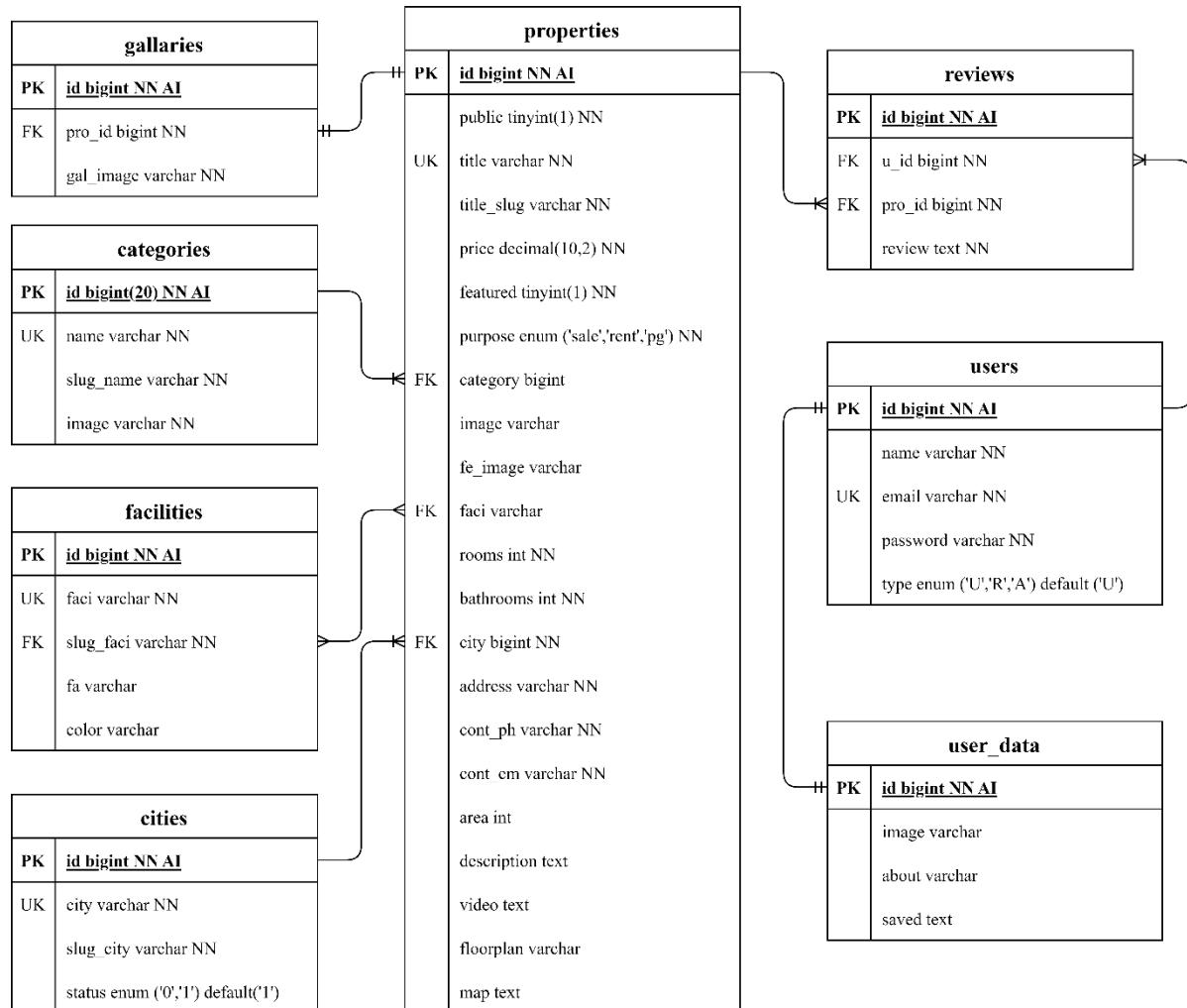
An **Entity Relationship (ER) Diagram** is a type of flowchart that illustrates how “entities” such as people, objects or concepts relate to each other within a system.

ER diagrams are related to data structure diagrams (DSDs), which focus on the relationships of elements within entities instead of relationships between entities themselves. ER diagrams also are often used in conjunction with data flow diagrams (DFDs), which map out the flow of information for processes or systems.

### Symbols and Notations Used in Crow's Foot ERD Style (here)

Notation	Symbol								
Entity	<table border="1"> <thead> <tr> <th colspan="2">Entity</th> </tr> <tr> <th>PK</th> <th>UniqueID</th> </tr> </thead> <tbody> <tr> <td></td> <td>Row 1</td> </tr> <tr> <td></td> <td>Row 2</td> </tr> </tbody> </table>	Entity		PK	UniqueID		Row 1		Row 2
Entity									
PK	UniqueID								
	Row 1								
	Row 2								
One to One	++-----++								
One to Many	-----<								
Many to Many	>-----<								

## ER Diagram



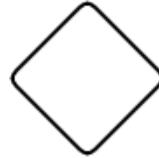
## 6.4 Process Specification

A **Process Specification** is a method used to document, analyse and explain the decision-making logic and formulas used to create output data from process input data. Its objective is to flow down and specify regulatory/engineering requirements and procedures.

A variety of approaches can be used to produce a process specification, including:

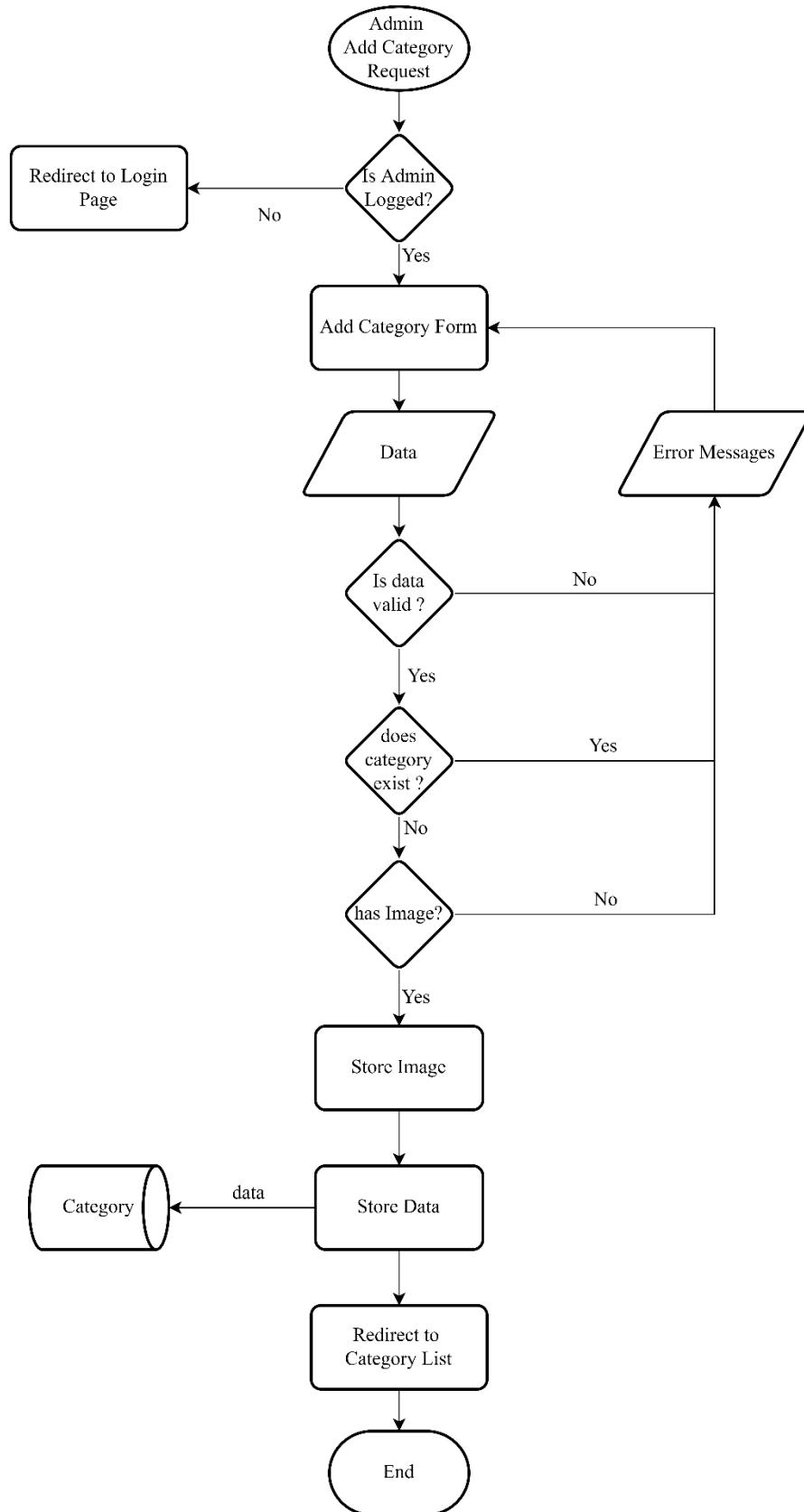
- Decision Tables
- Structured English
- Use Cases
- Flow Charts

Here **Flow-Charts** are used to describe process in in-depth detail.

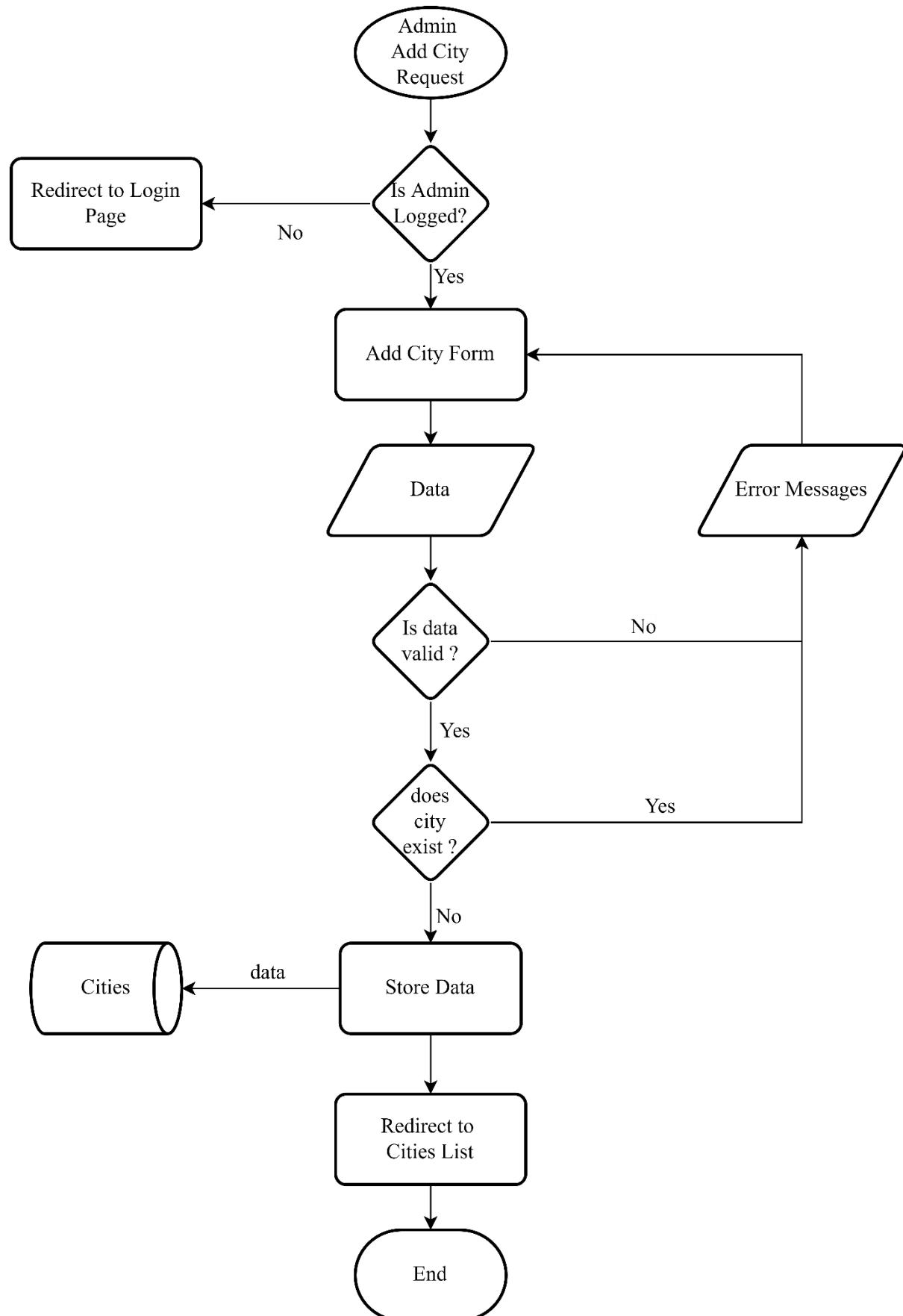
Notation	Symbol
Start	
Condition / Decision	
Process	
Data, Input or Output	
Database	
Terminate	
Flow Arrow	

## 6.4.1 Admin/Root Flow-Charts

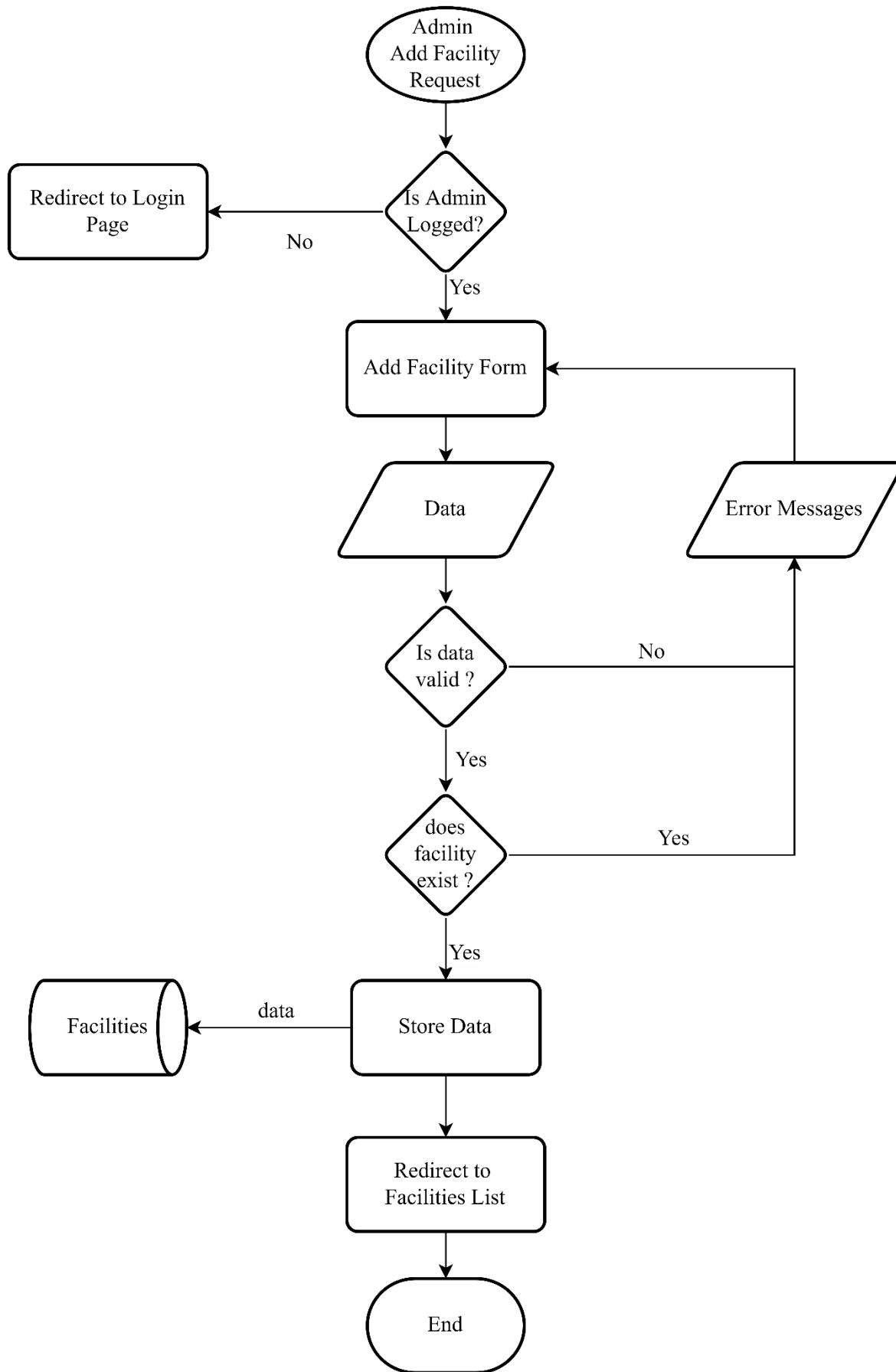
### Add Category



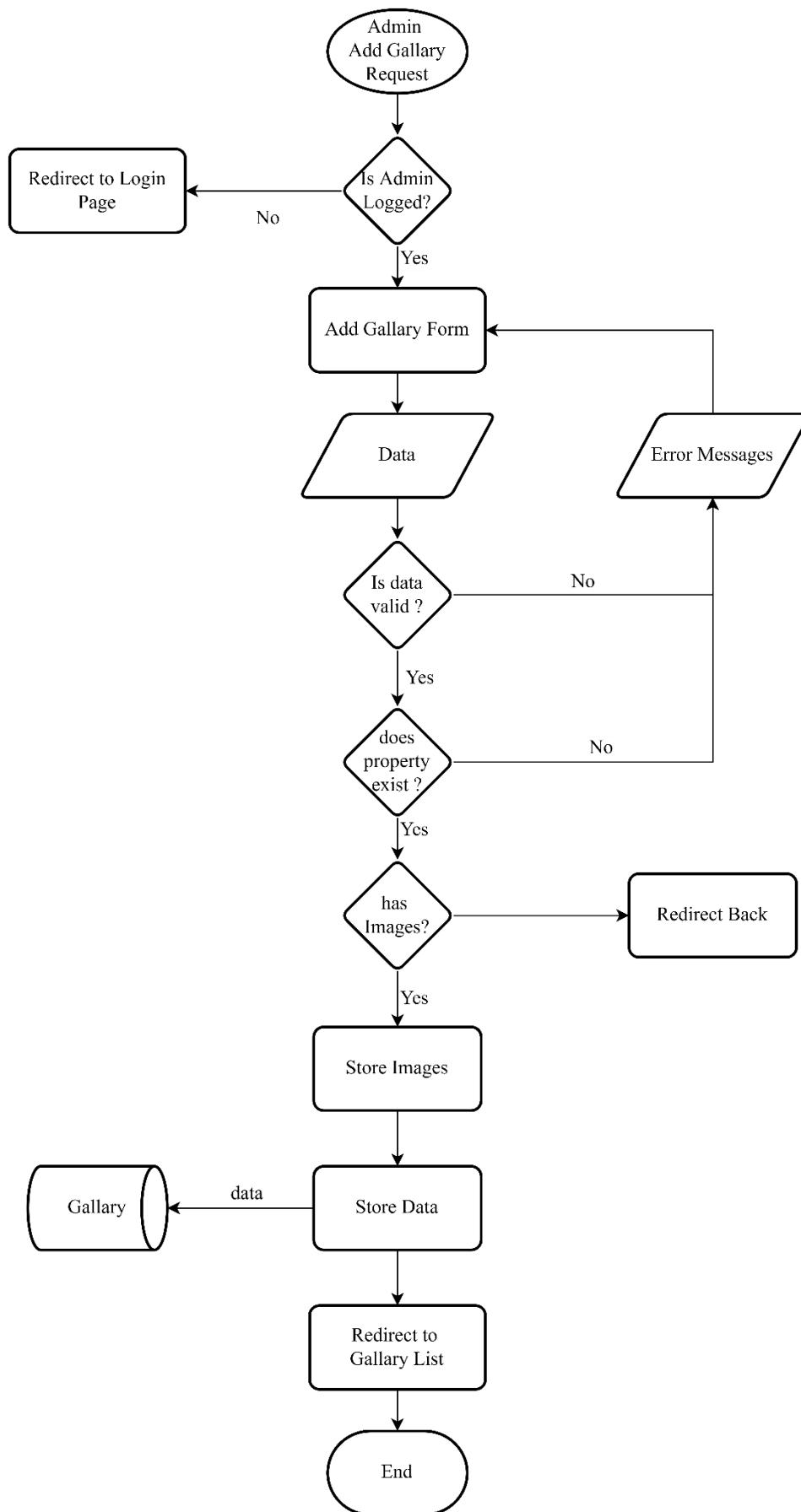
## Add City



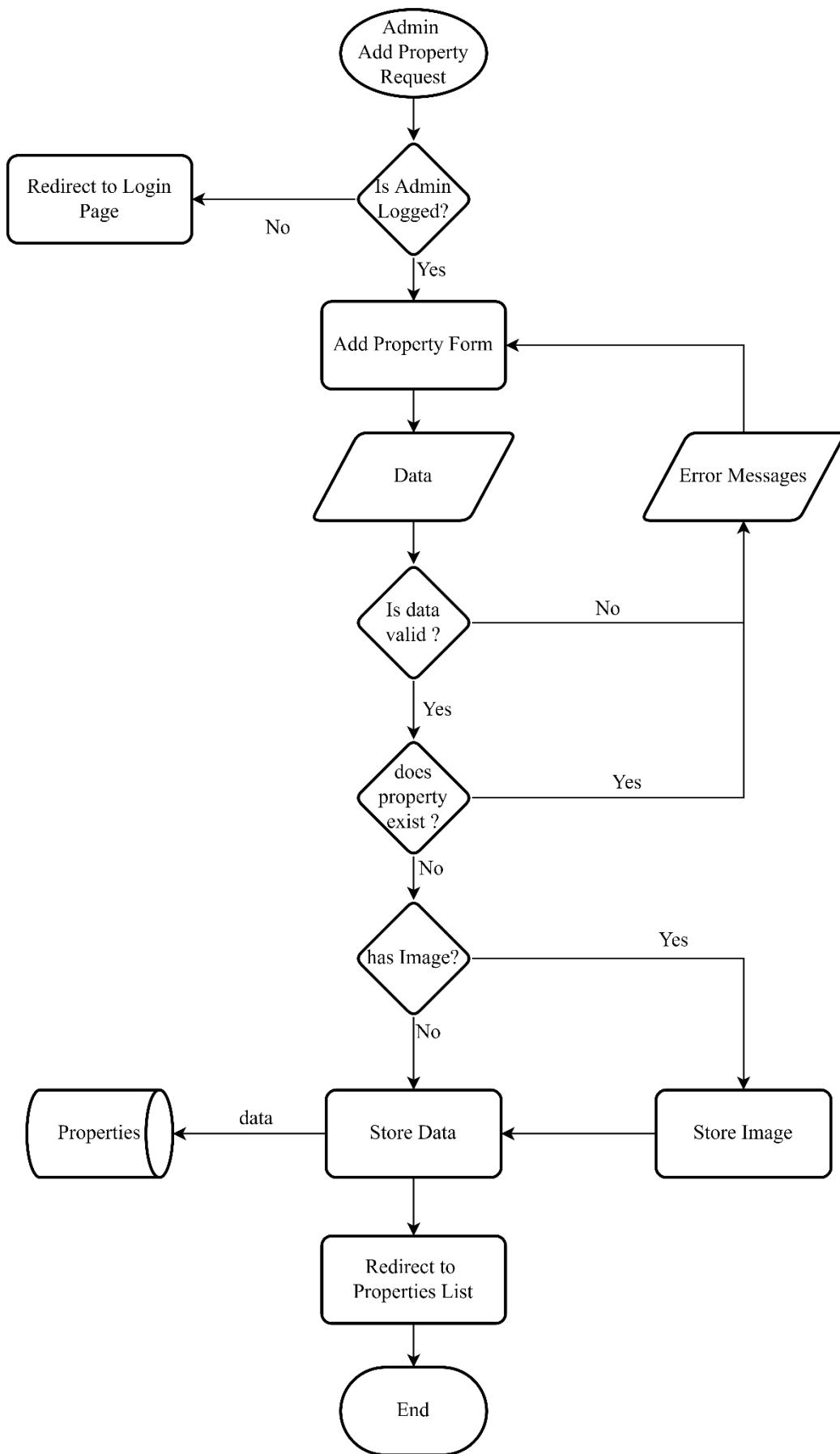
## Add Facility



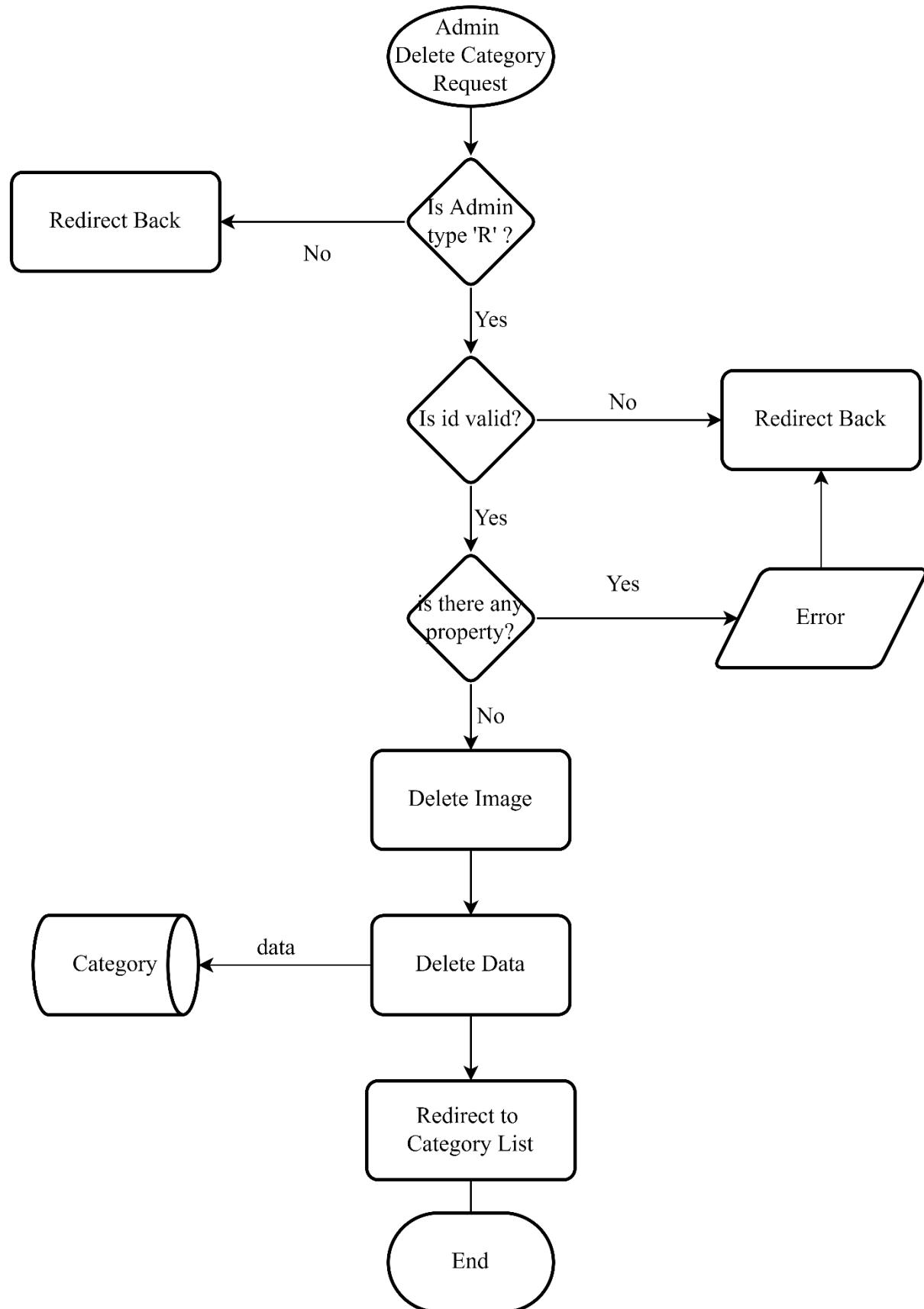
## Add Gallery



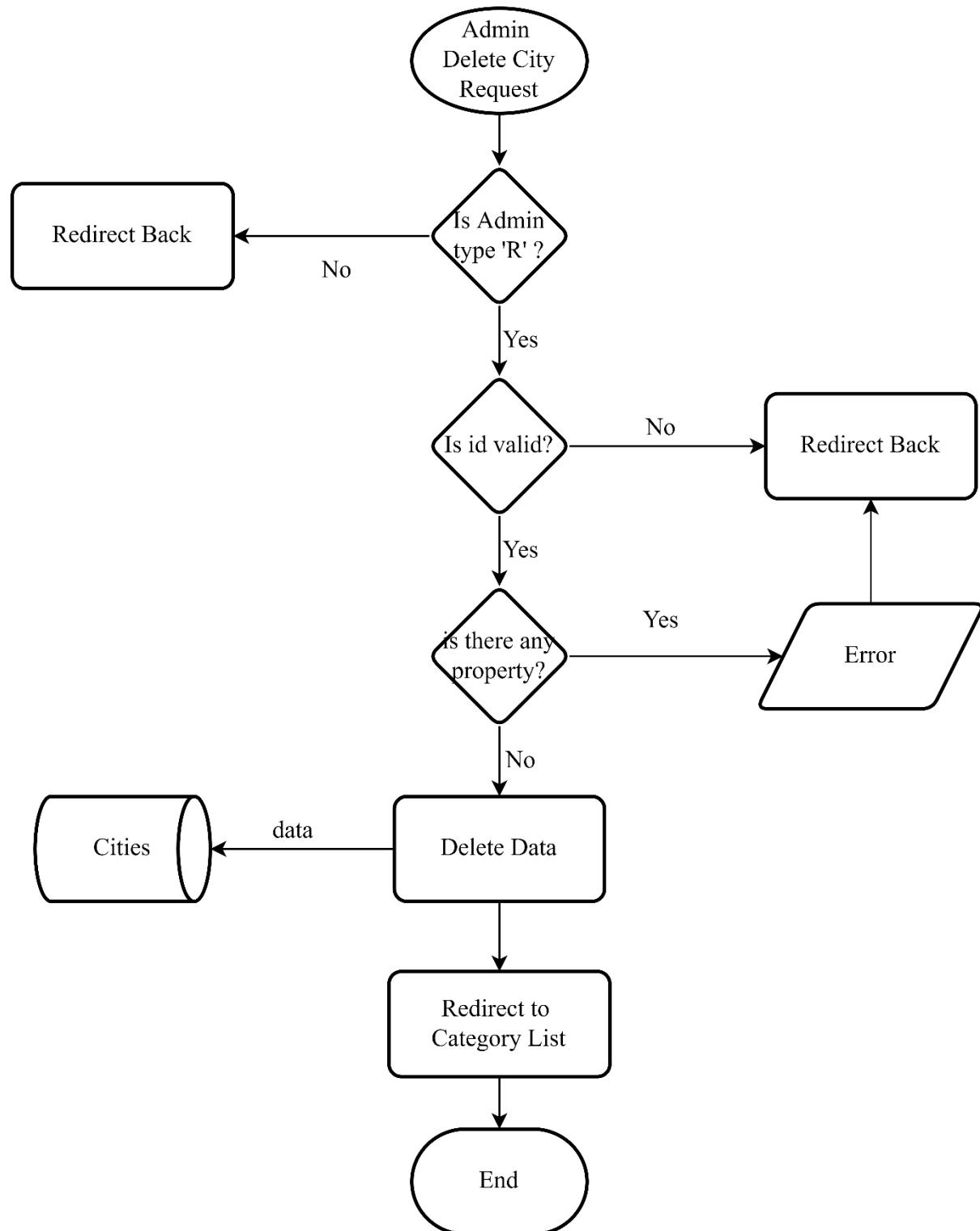
## Add Property



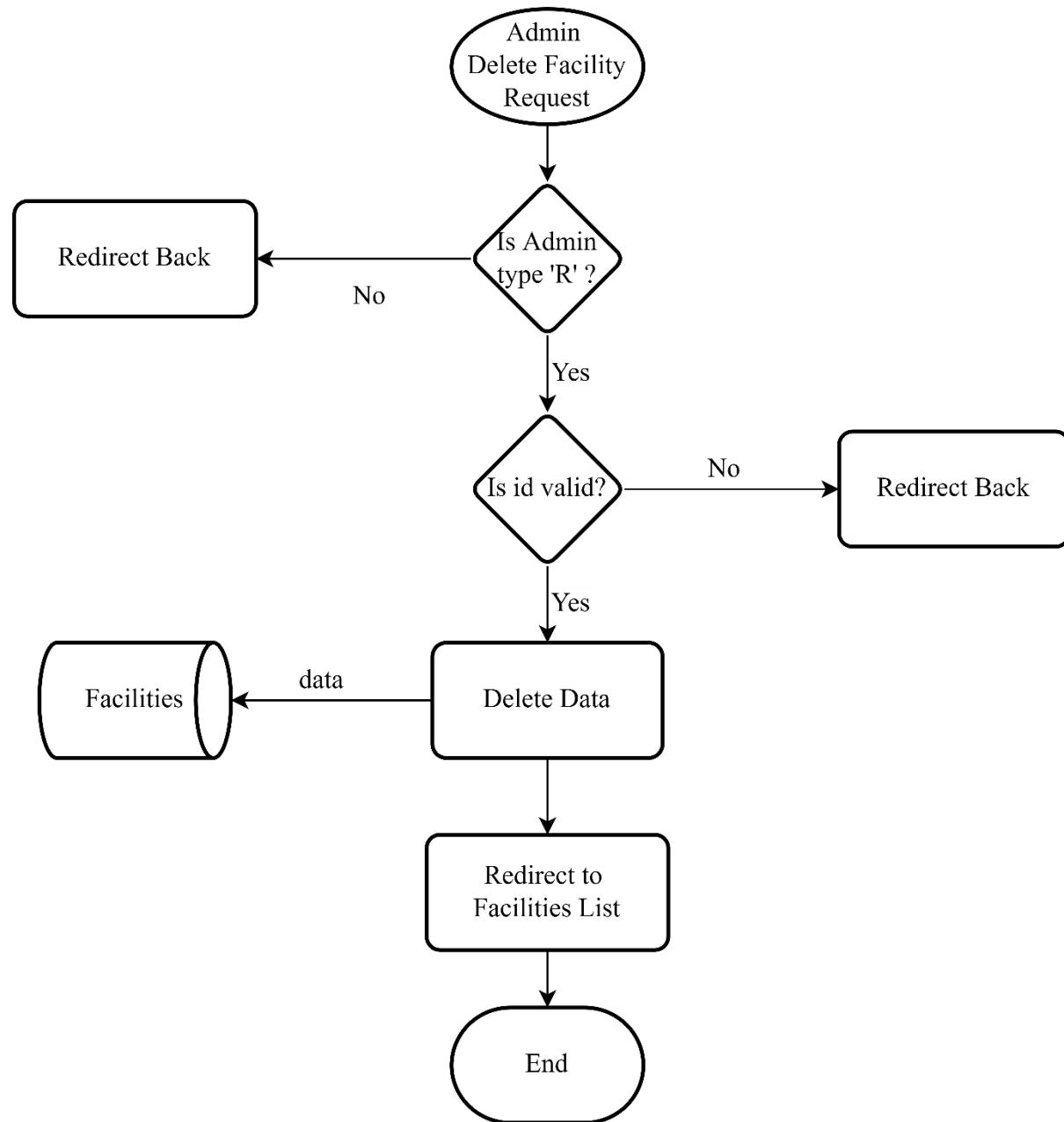
## Delete Category



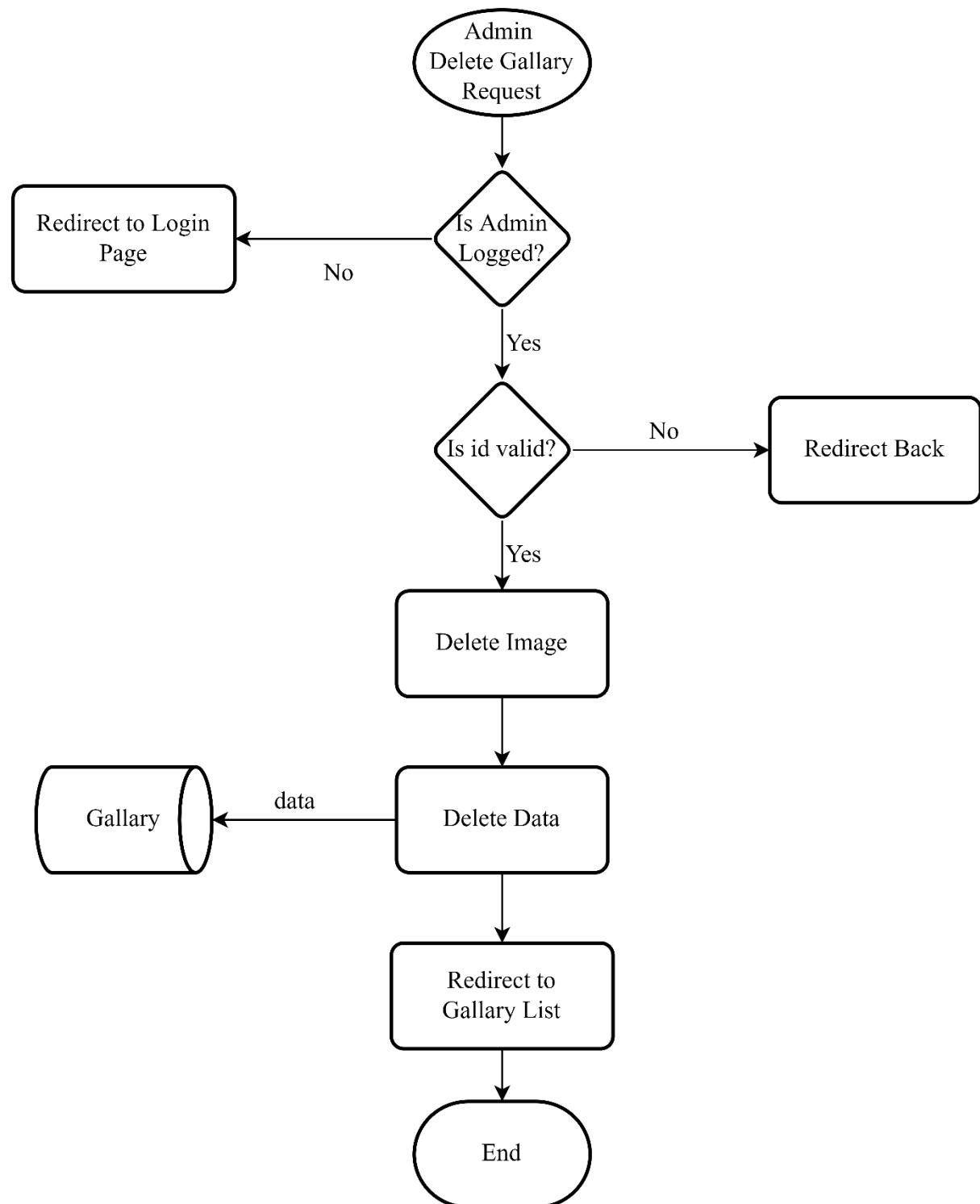
## Delete City



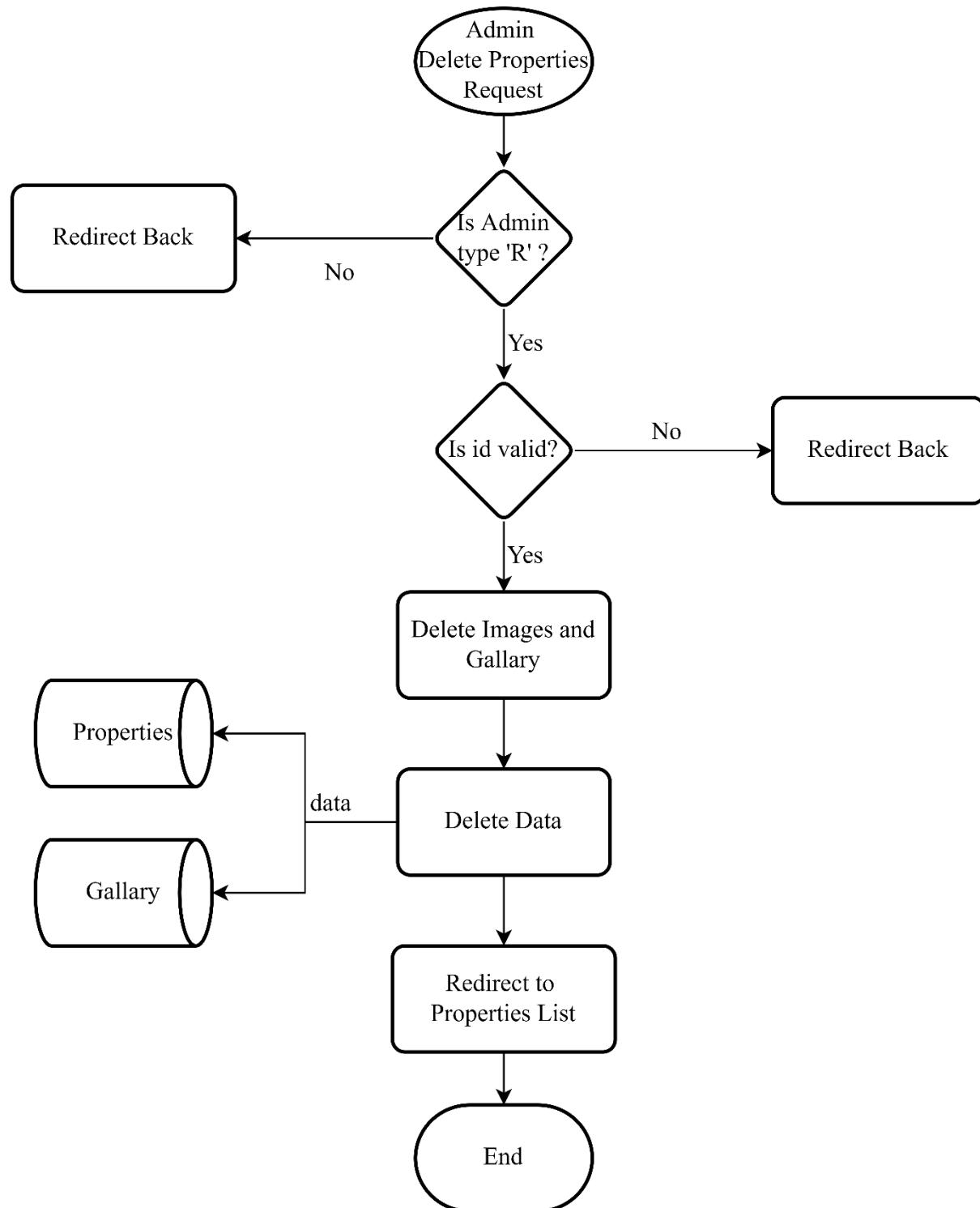
## Delete Facility



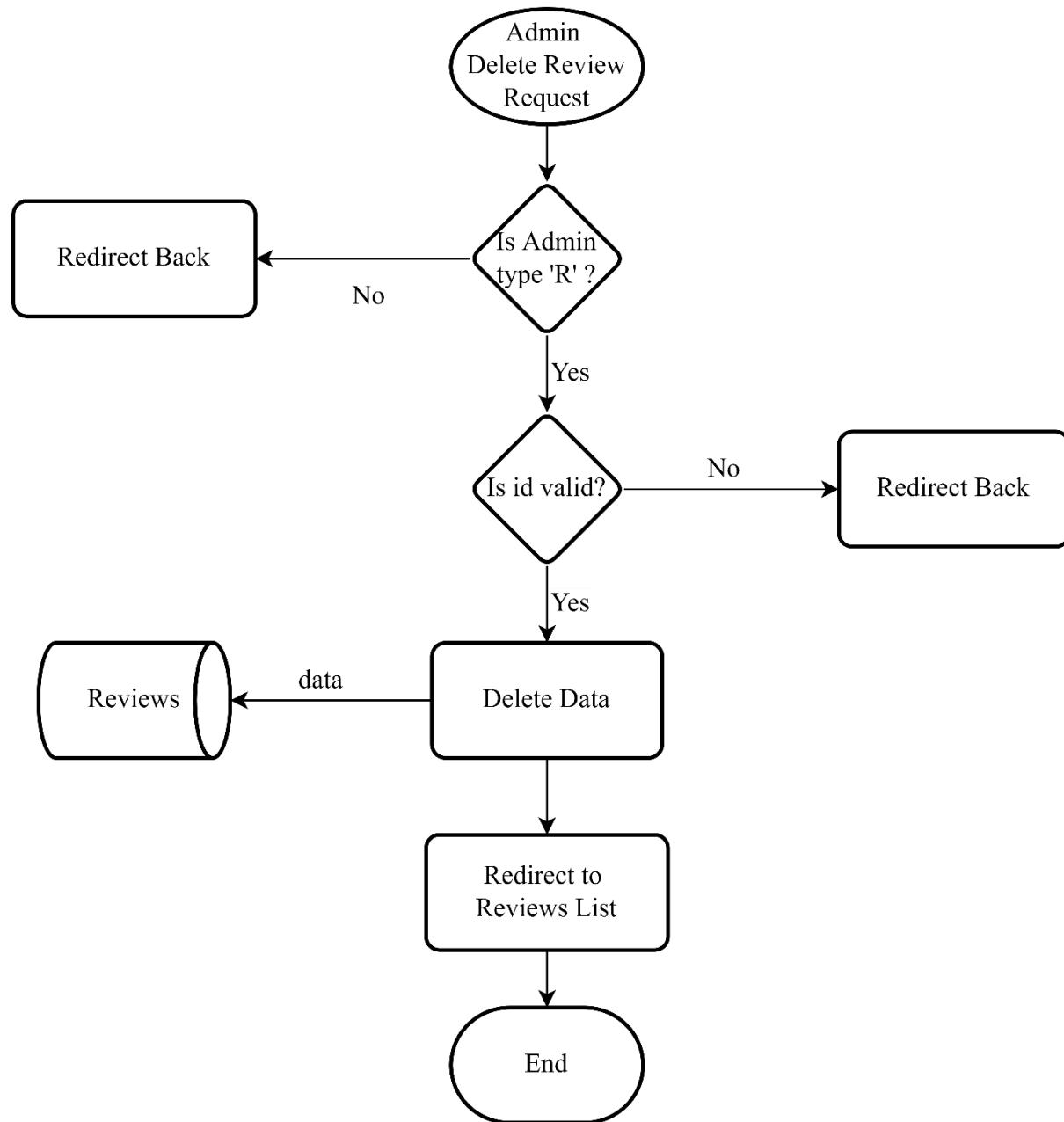
## Delete Gallery



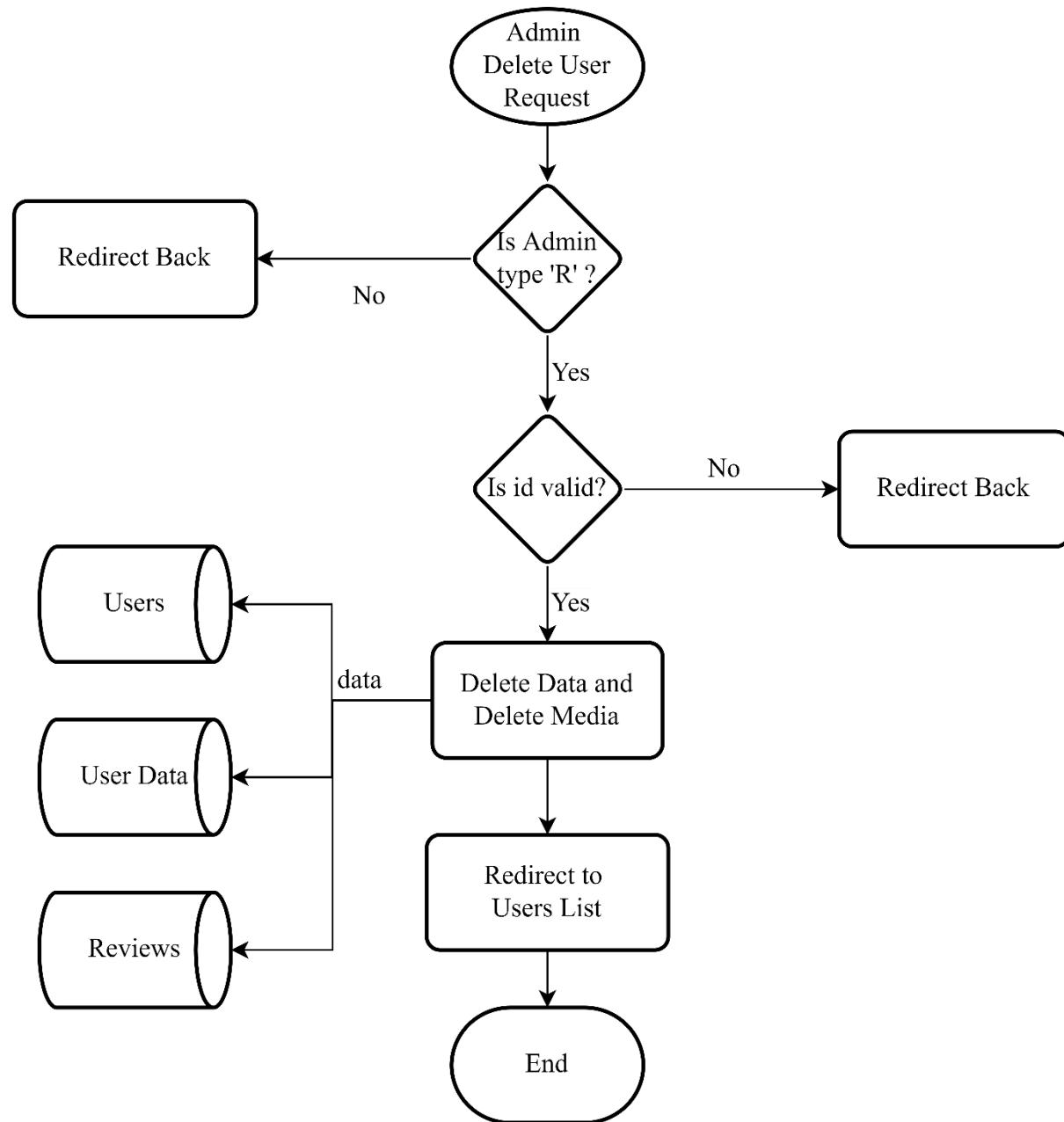
## Delete Property



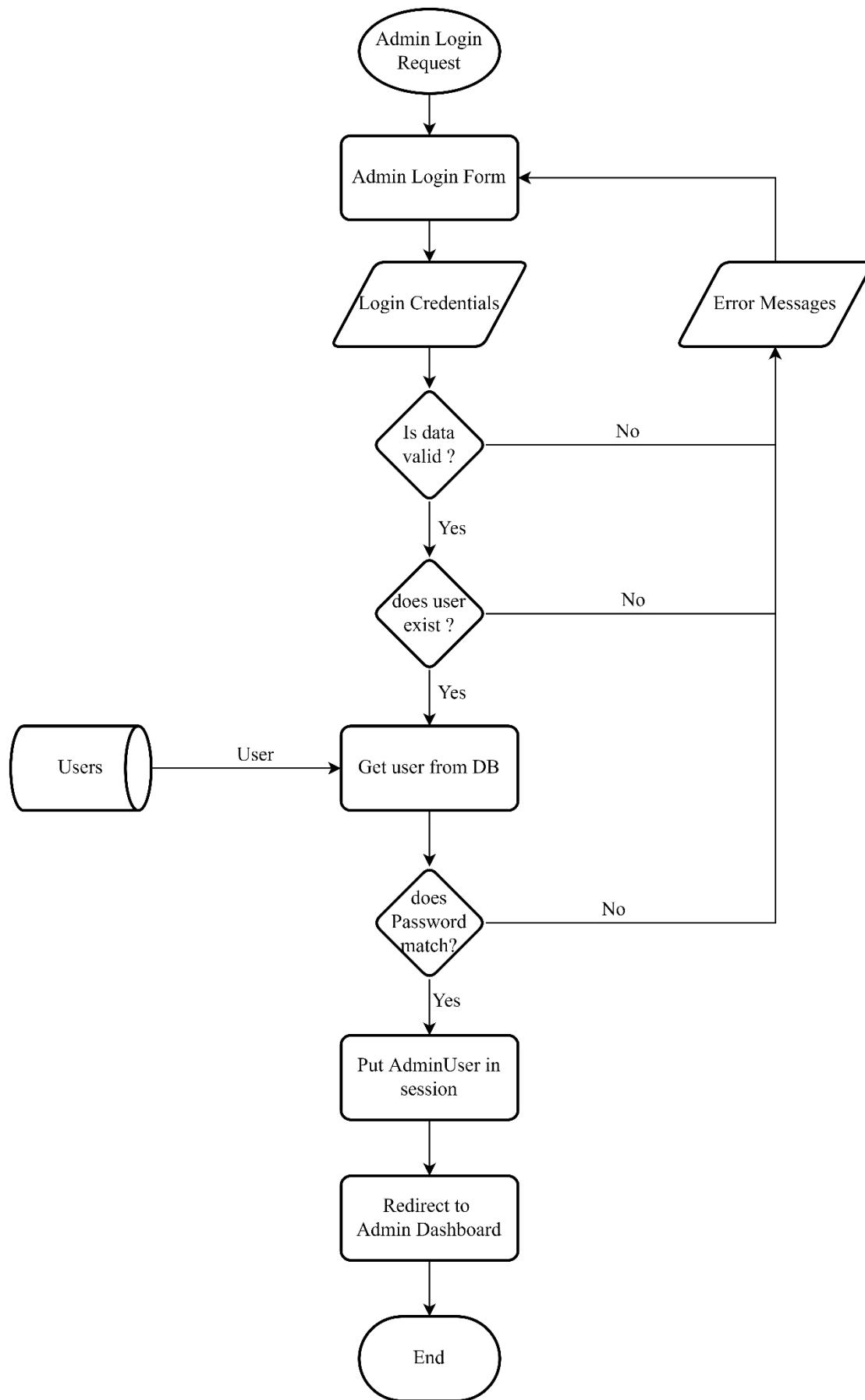
## Delete Review



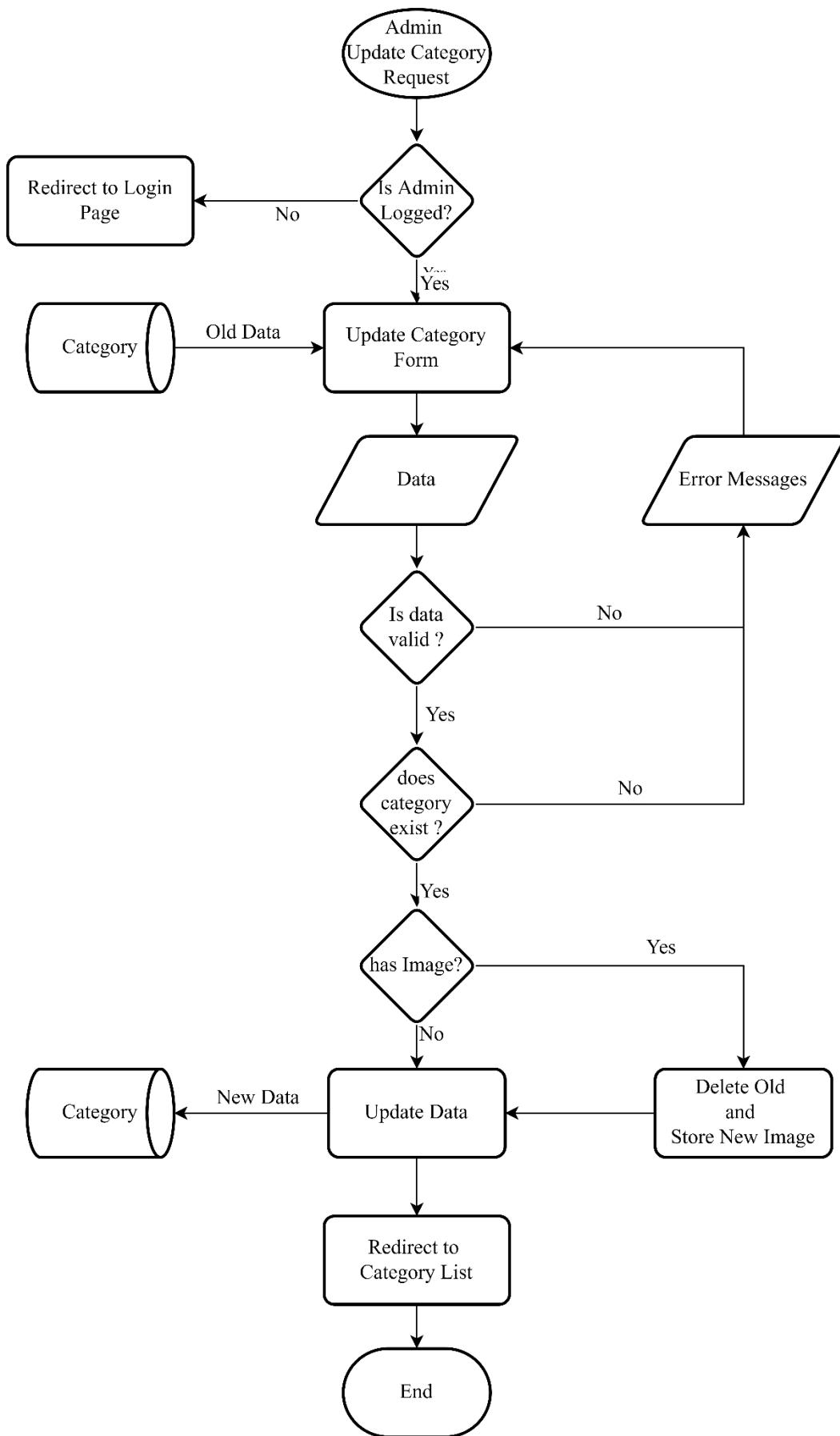
## Delete User



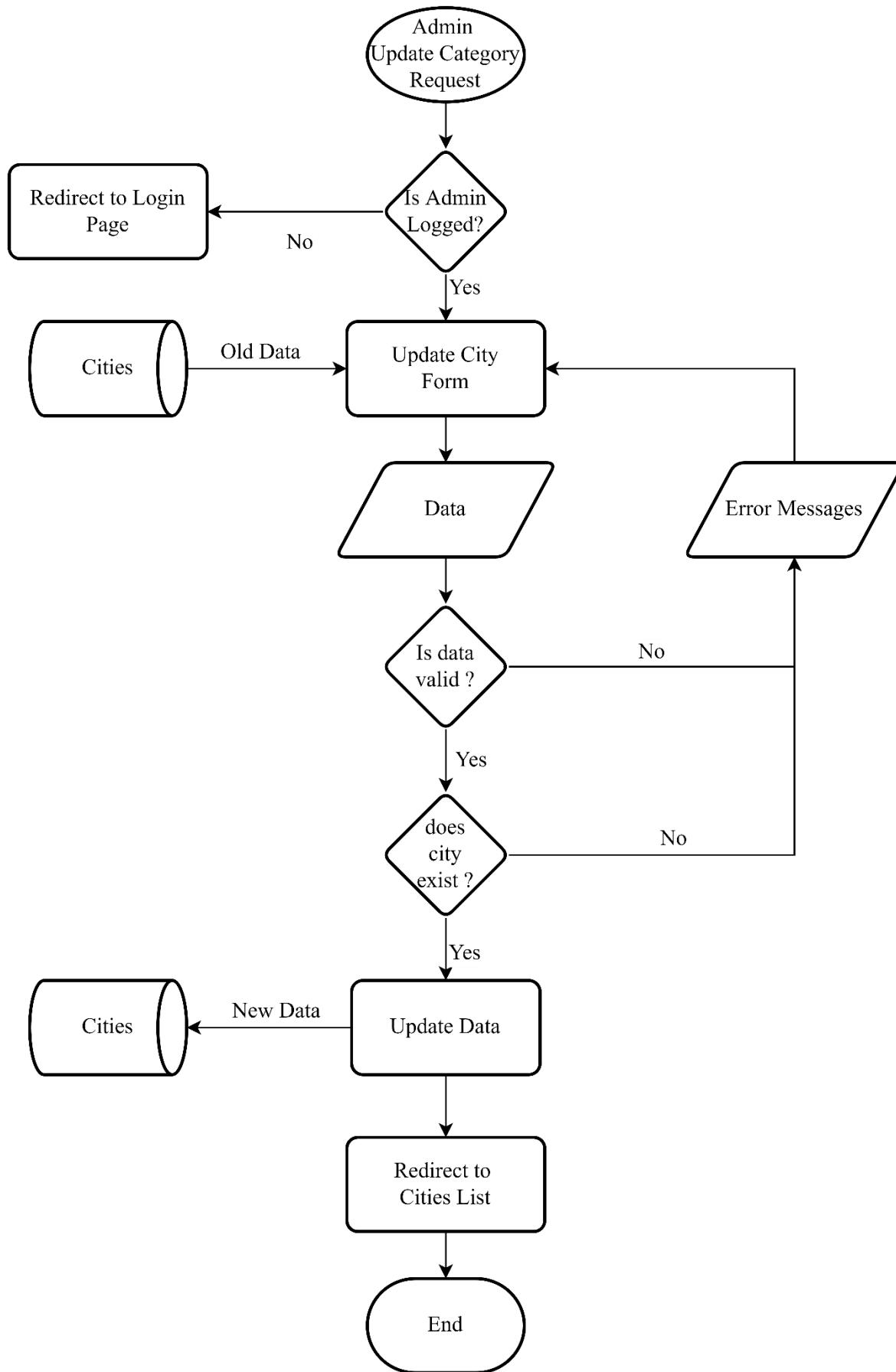
## Admin login



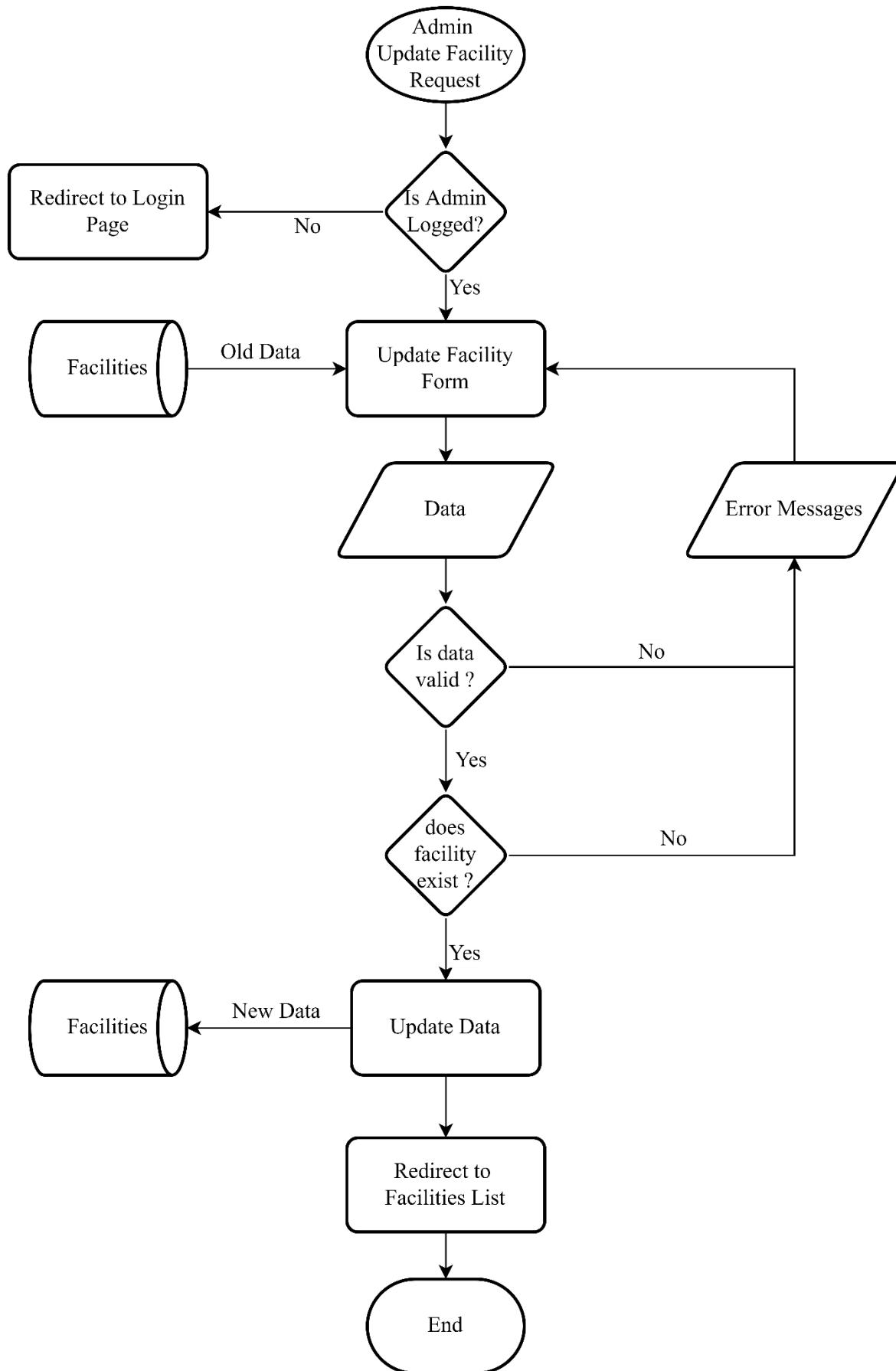
## Update Category



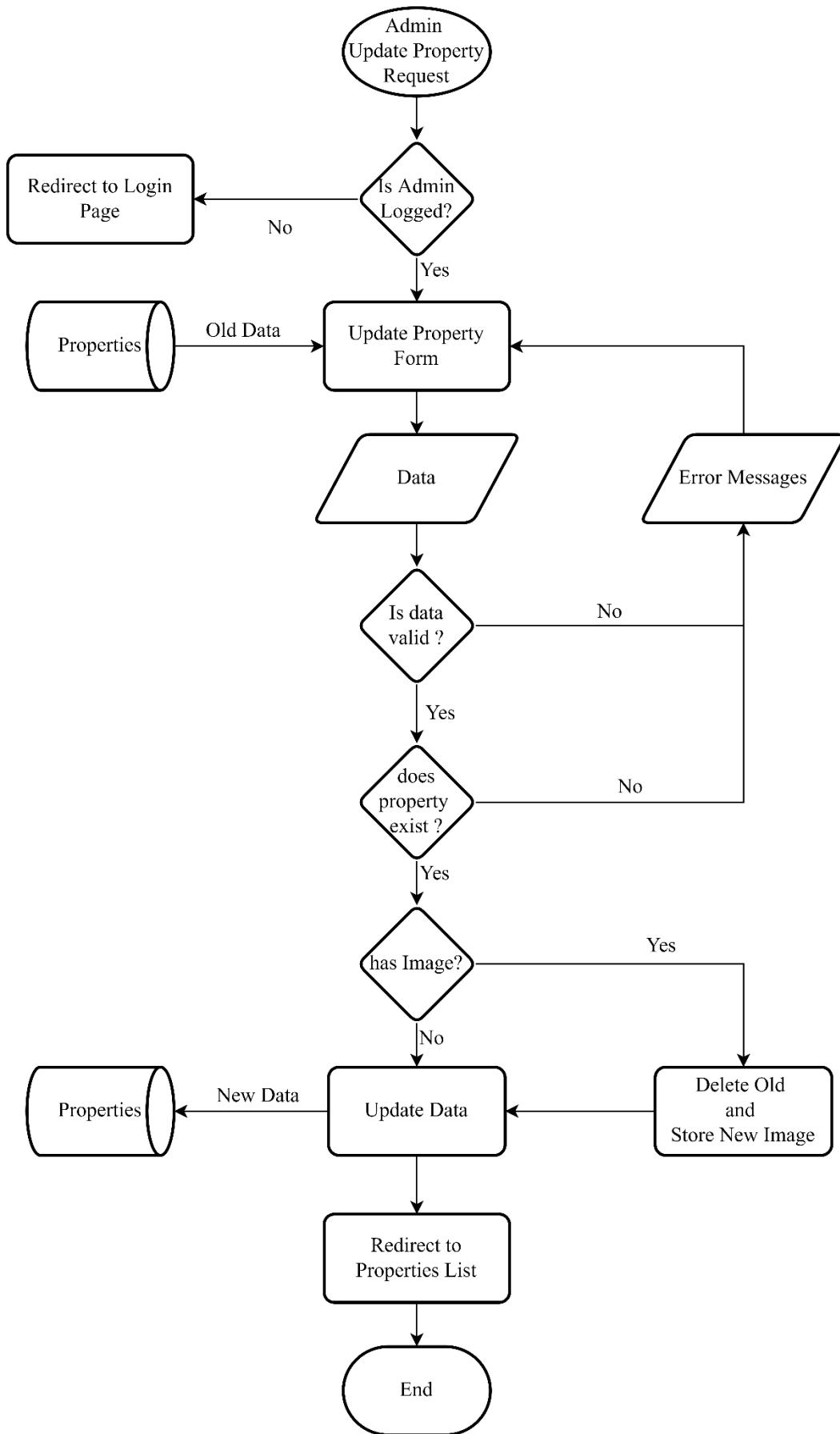
## Update City



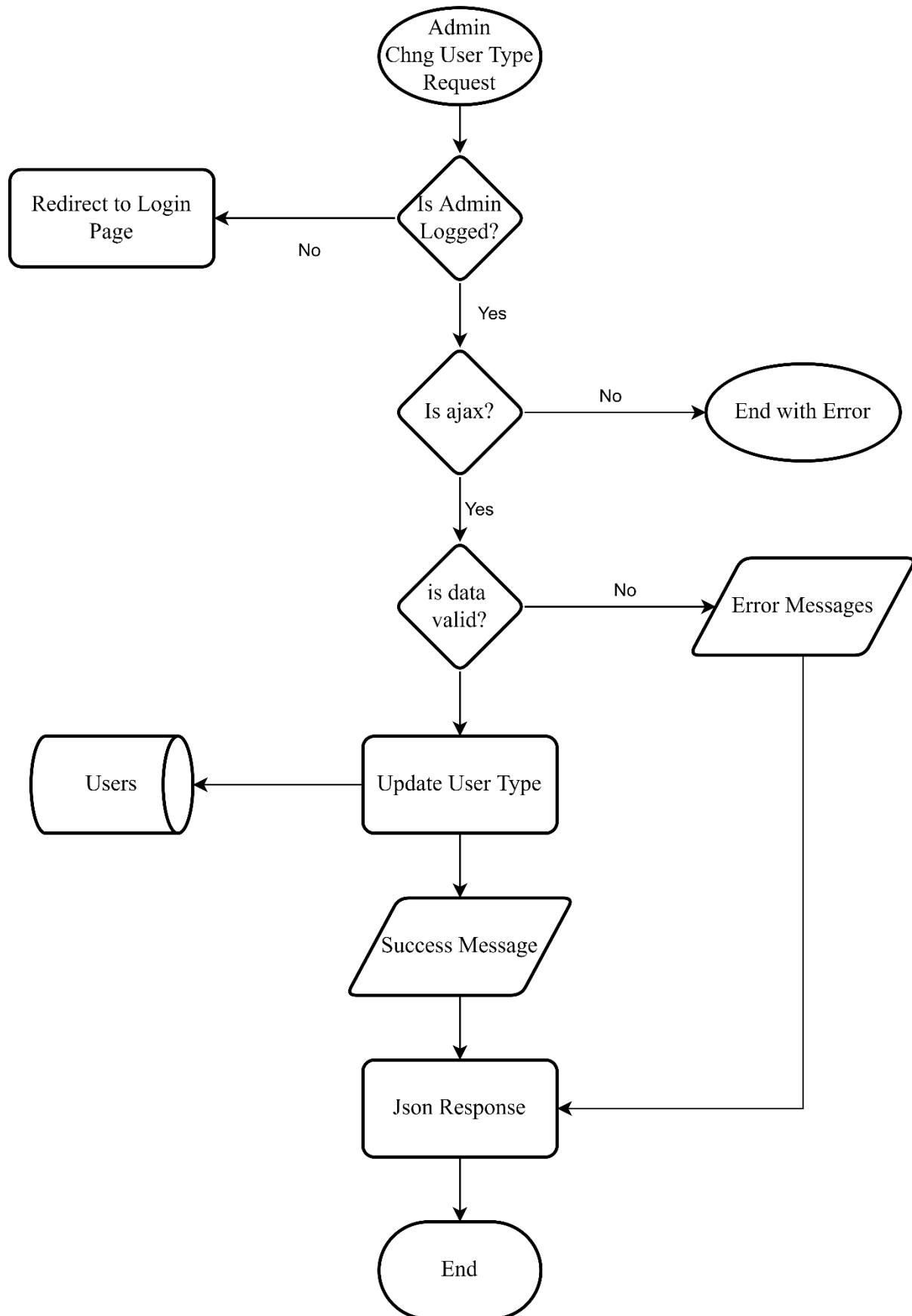
## Update Facility



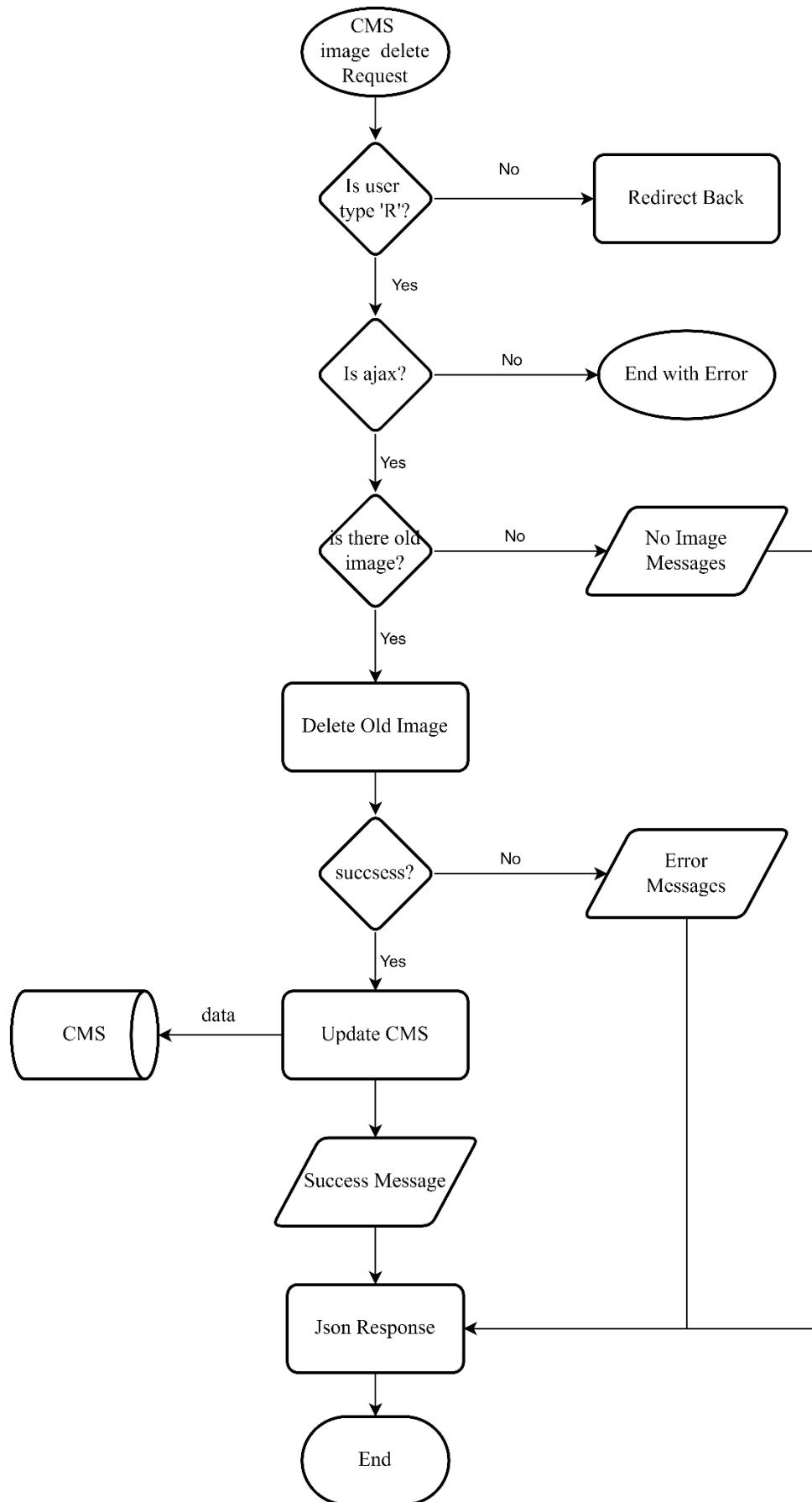
## Update Property



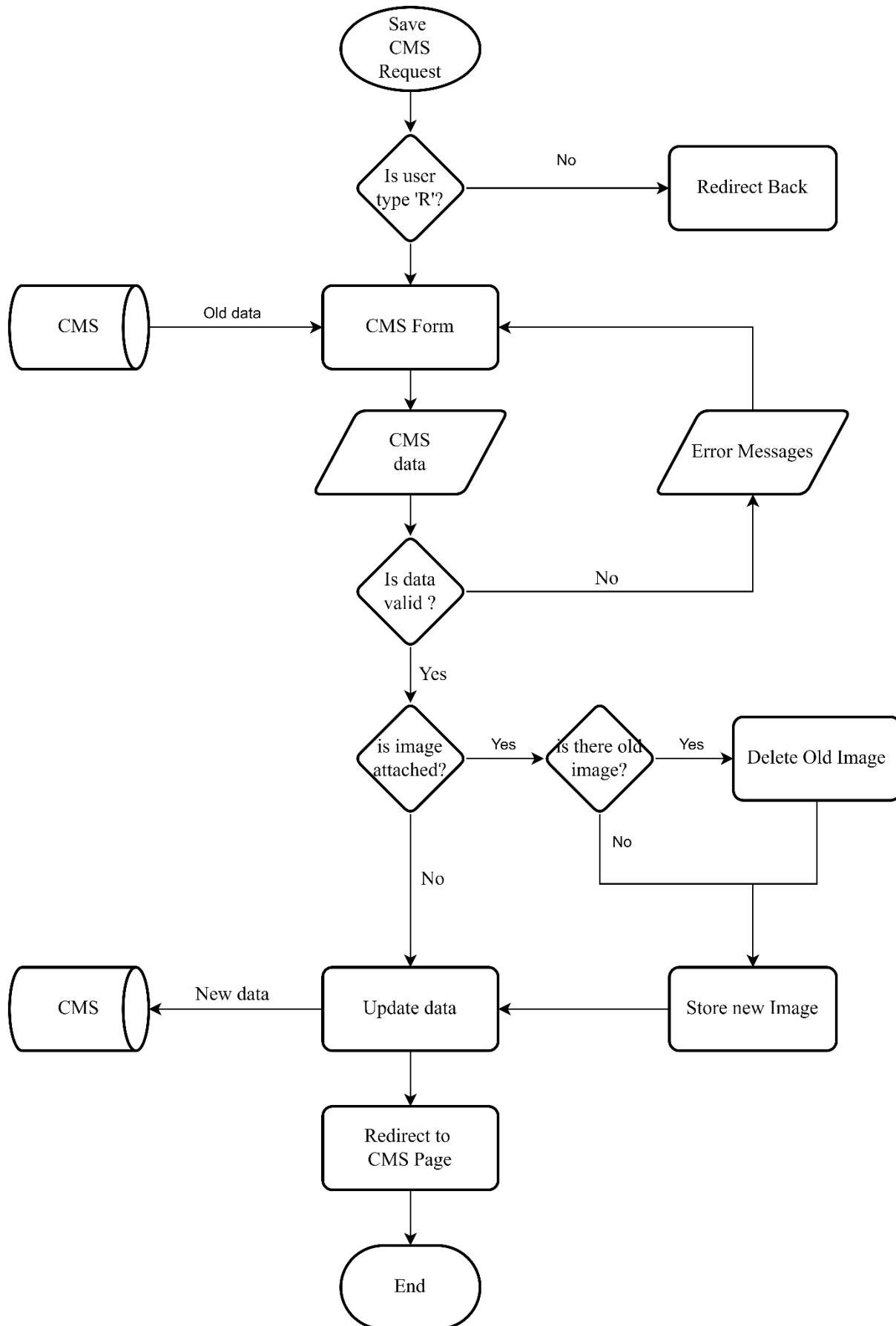
## Update User



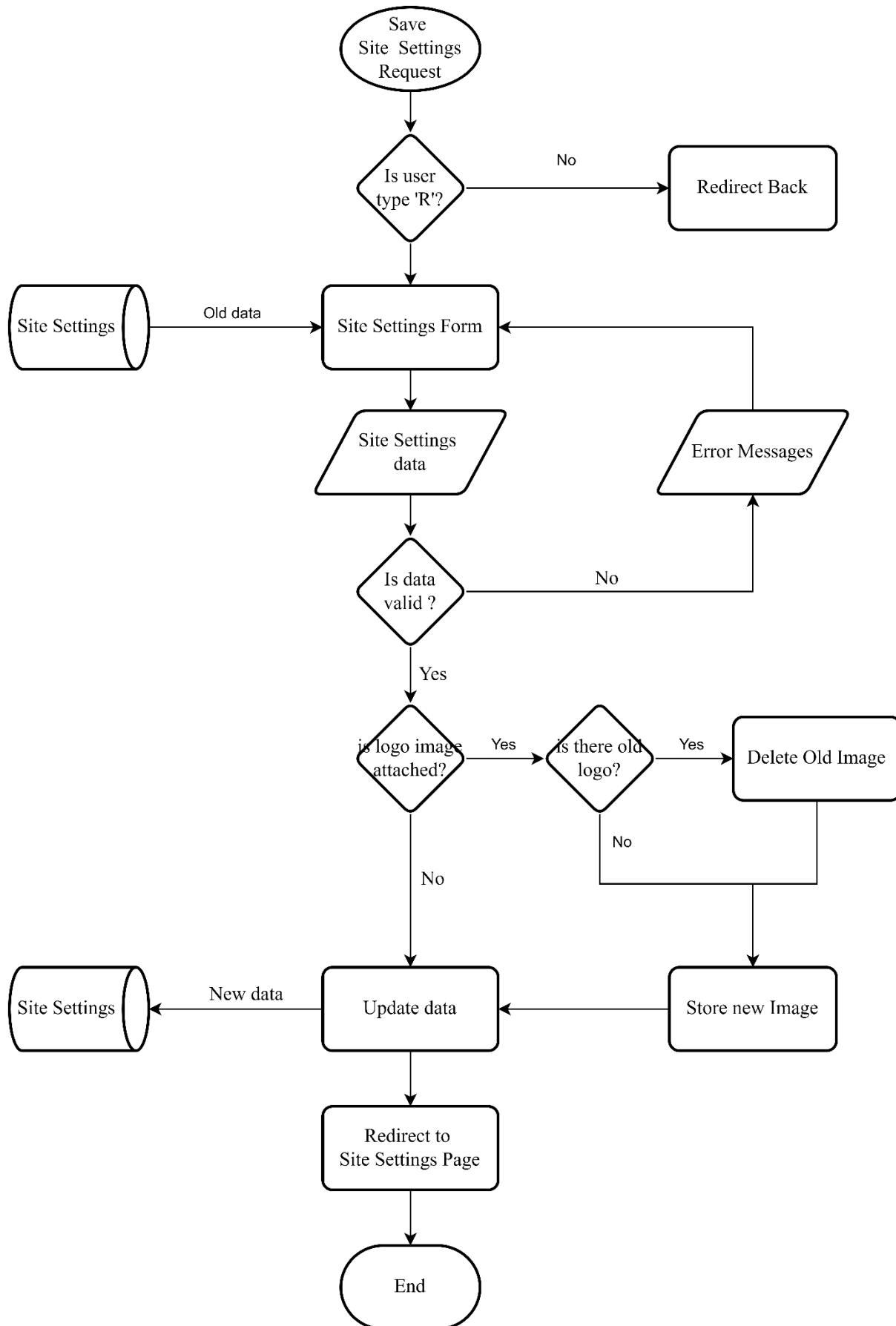
## CMS Ajax Delete



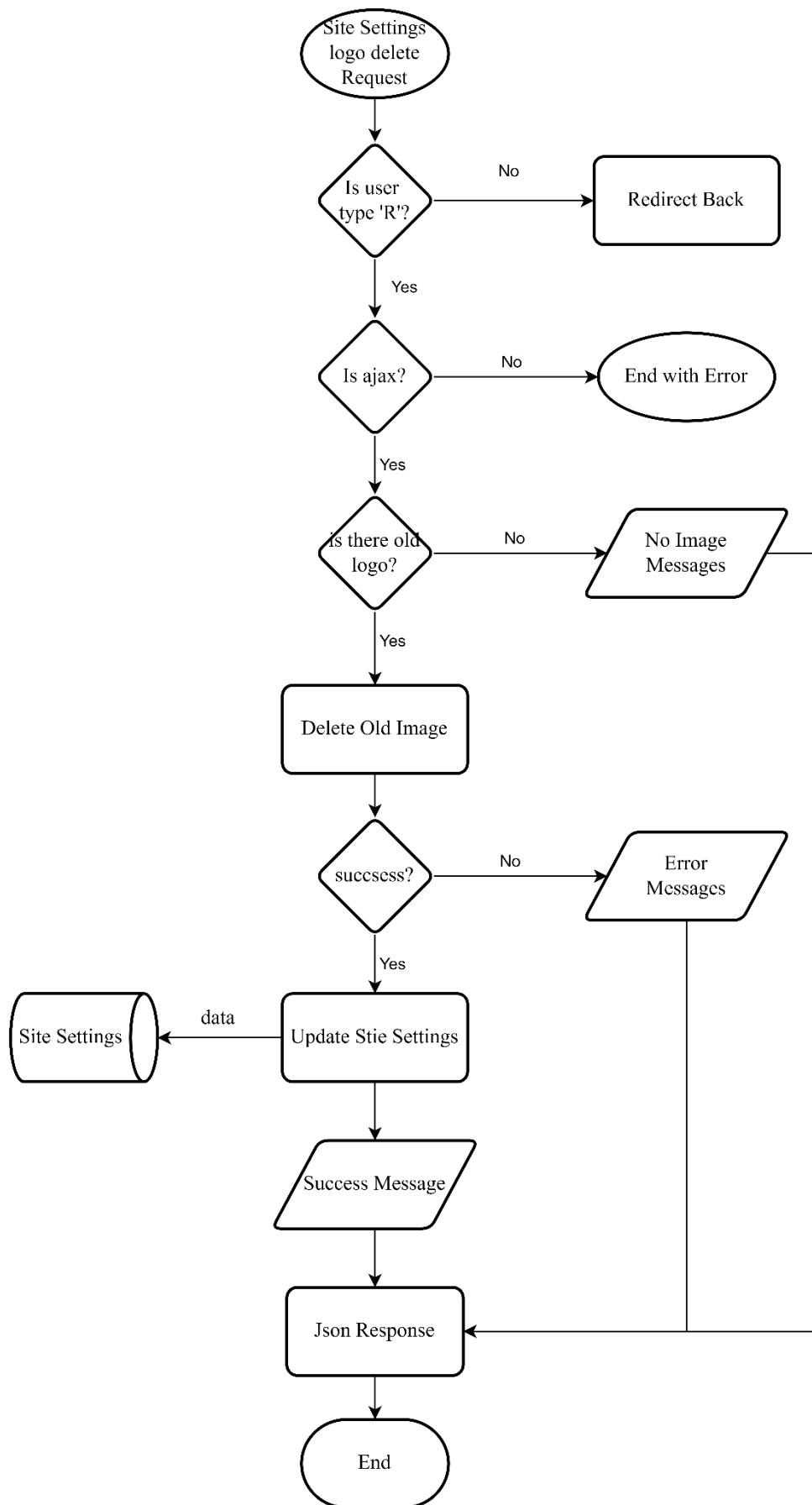
## Save CMS



## Save Site Settings

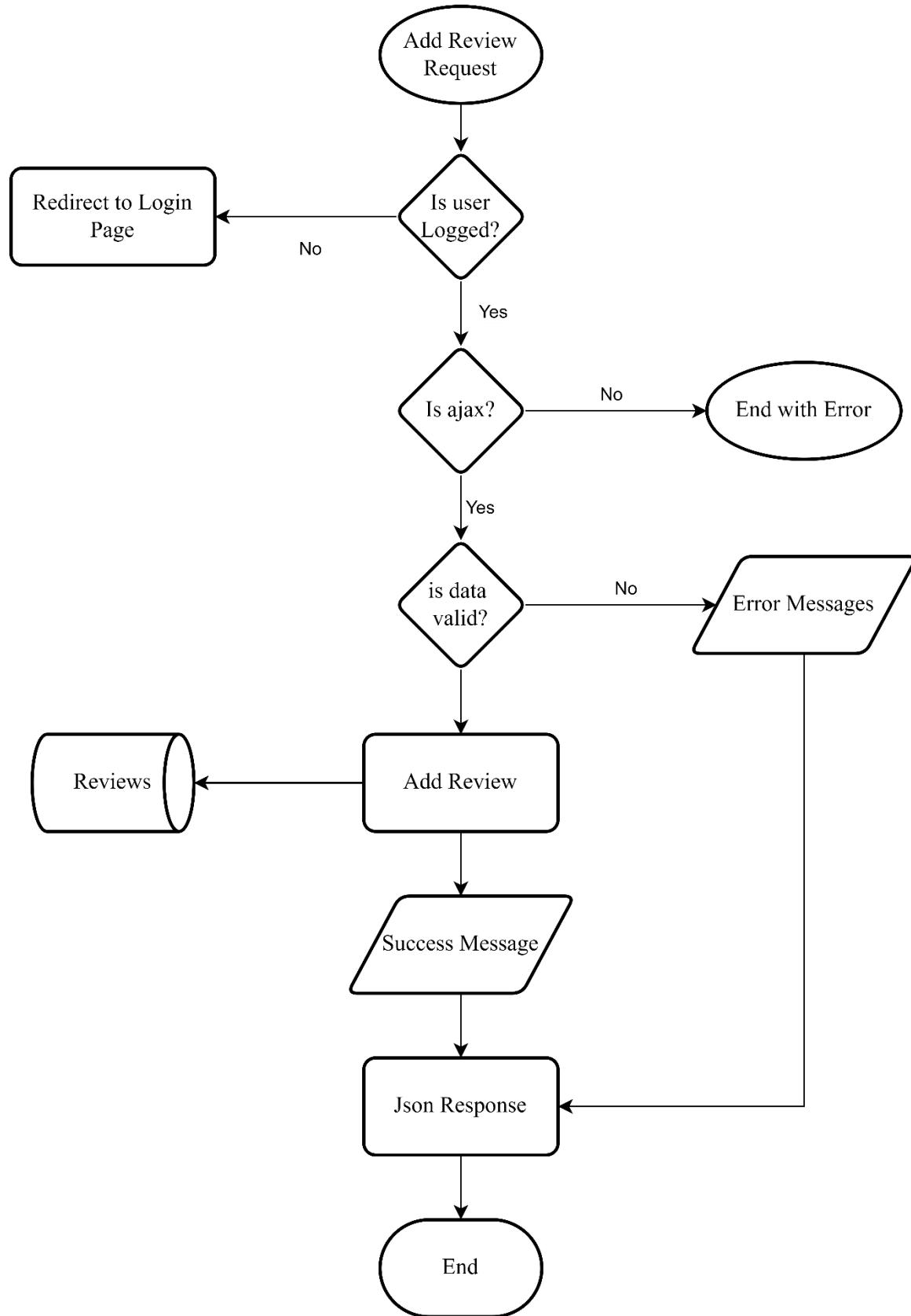


## Site Settings Ajax Delete

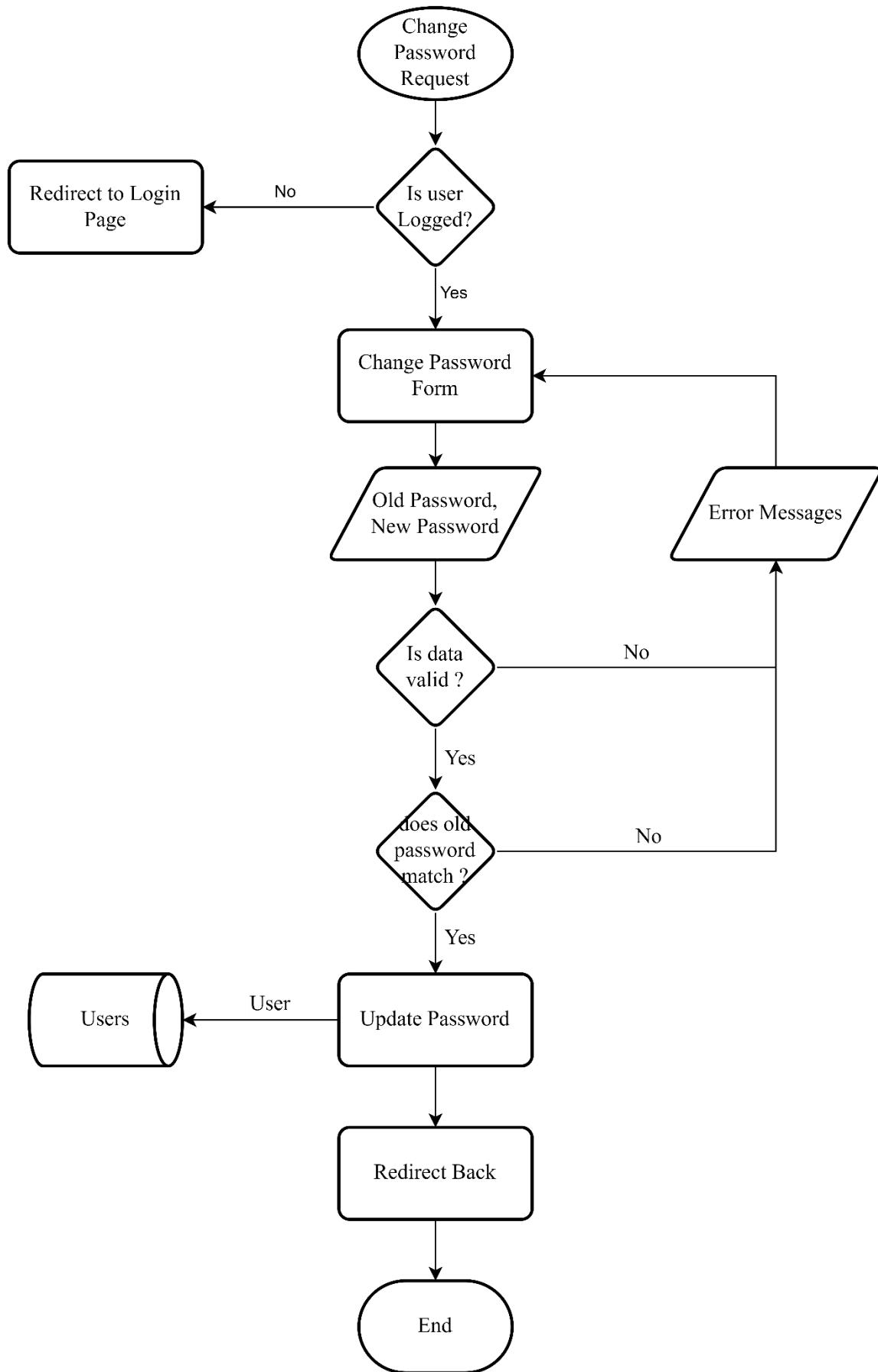


## 6.4.2 User Flow-Charts

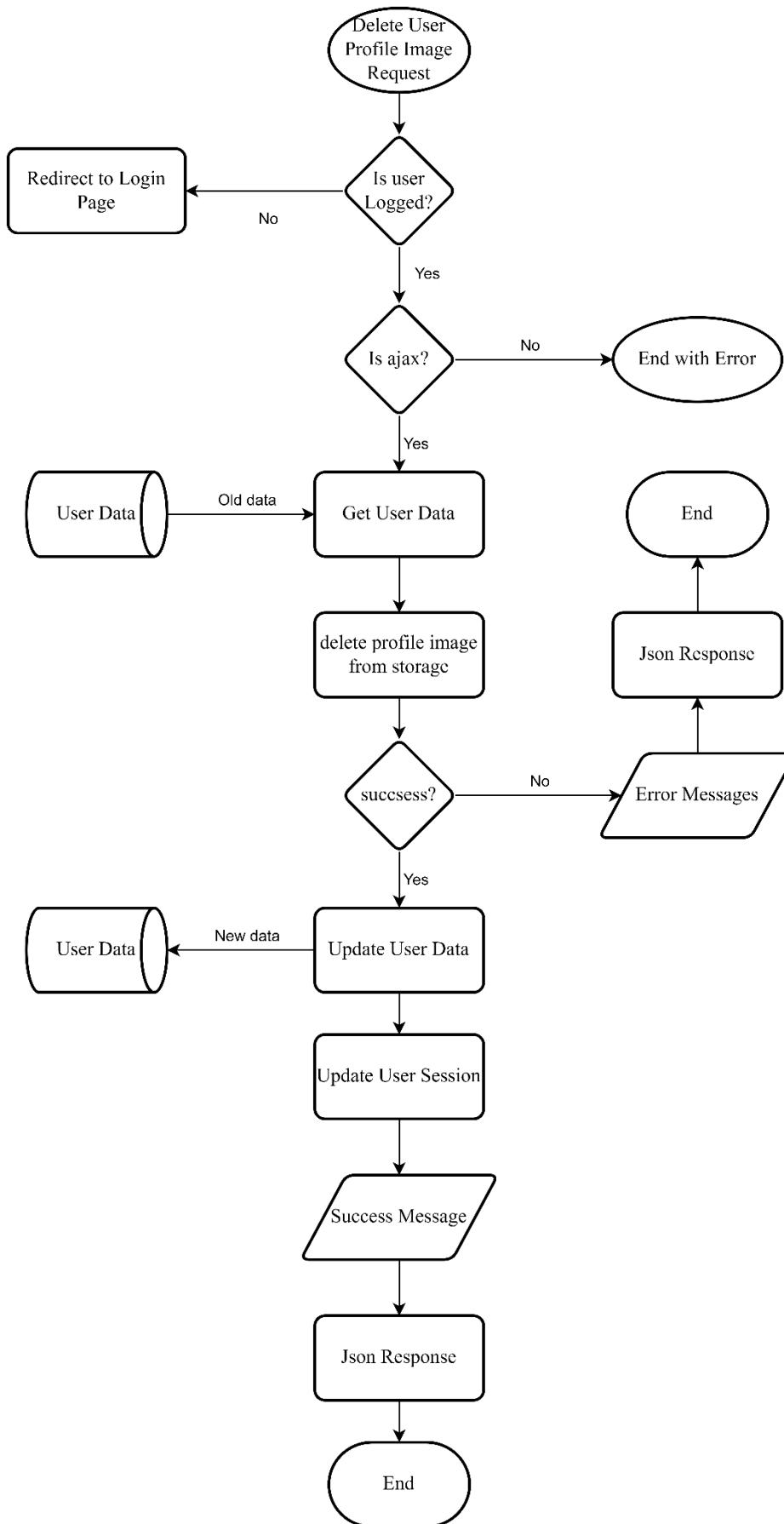
### Add Reviews



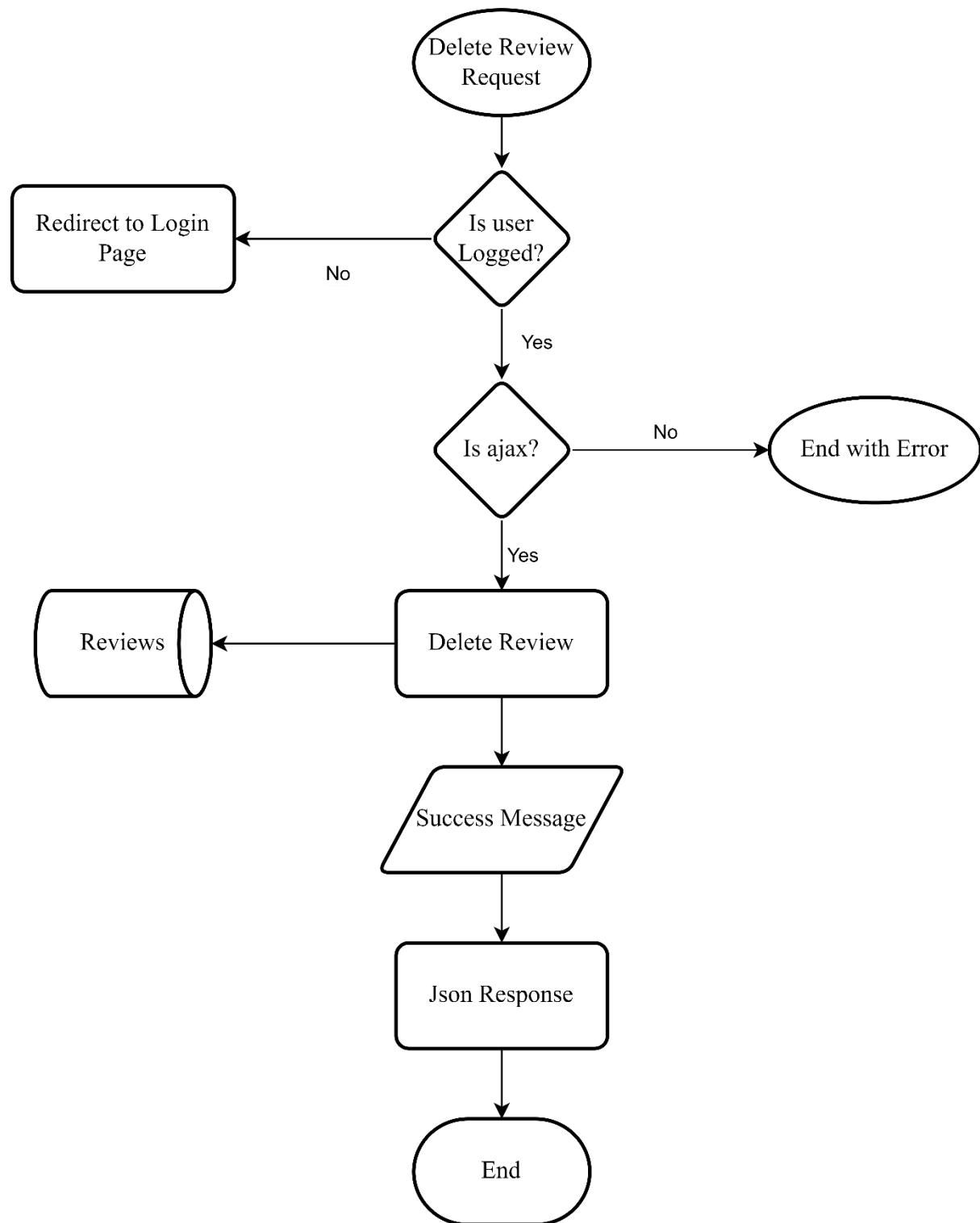
## Change Password



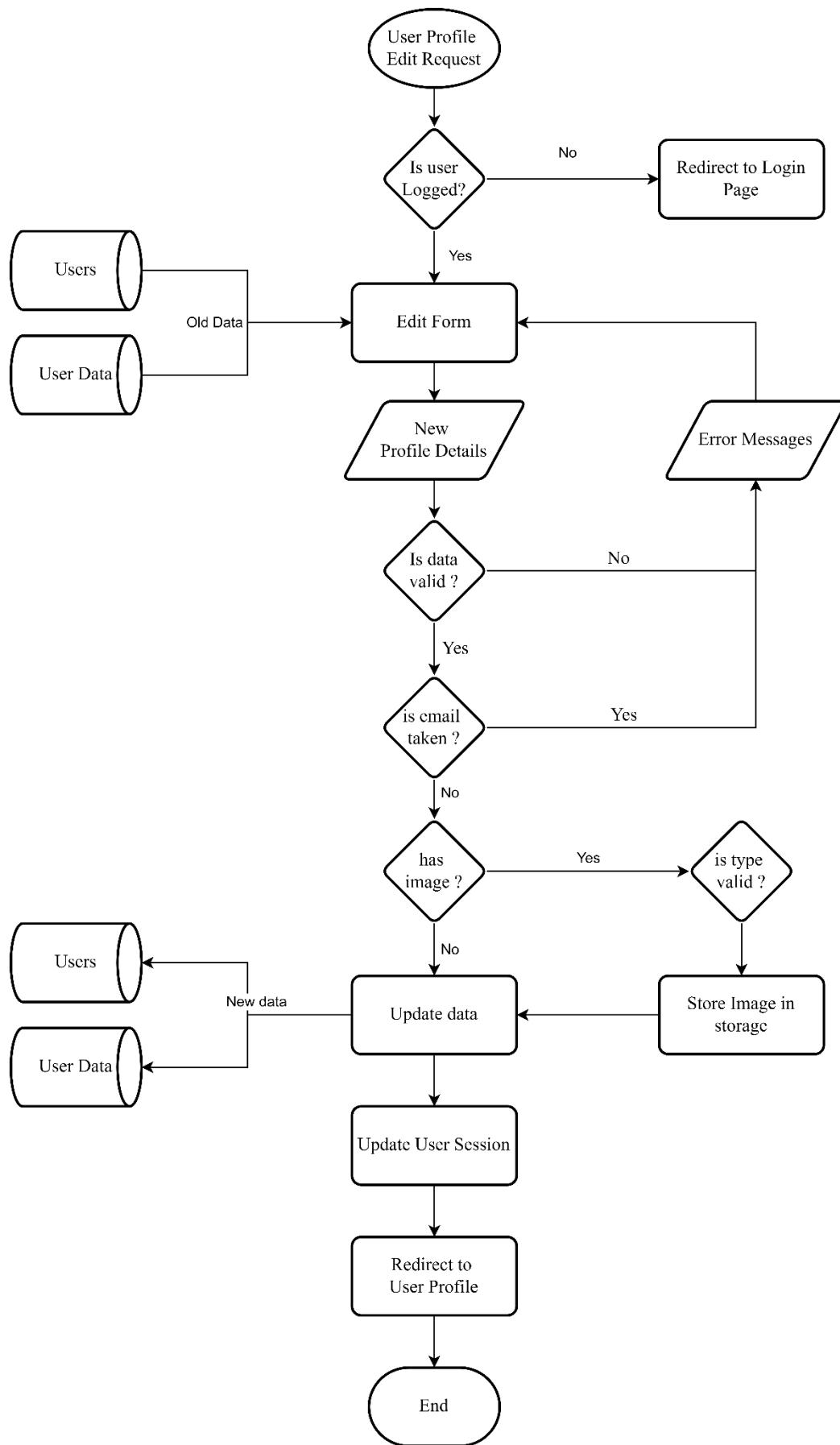
## Delete Profile Image



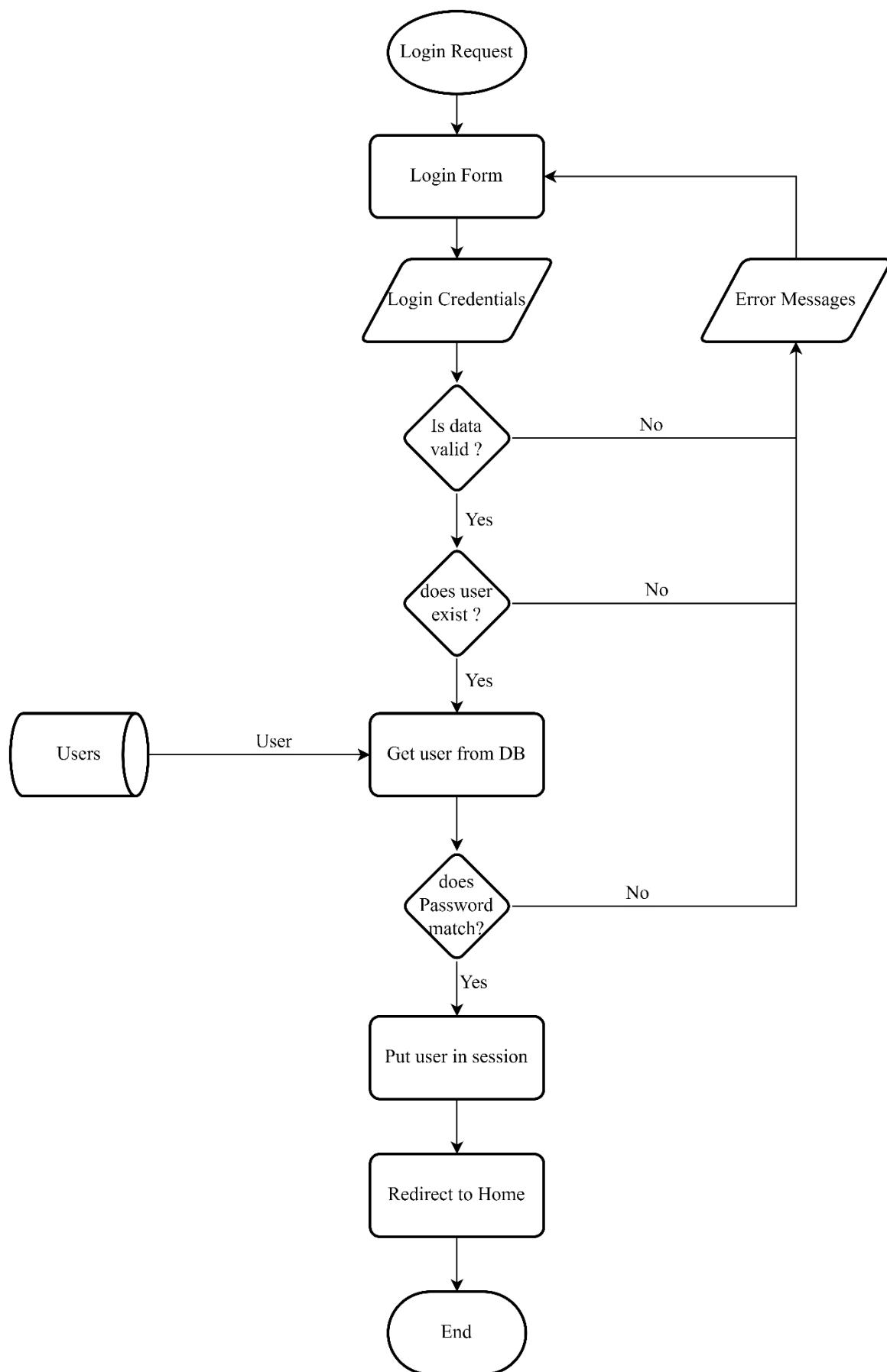
## Delete Review



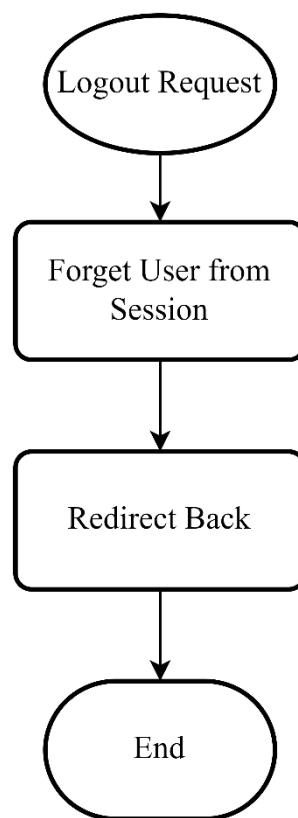
## Edit User Profile



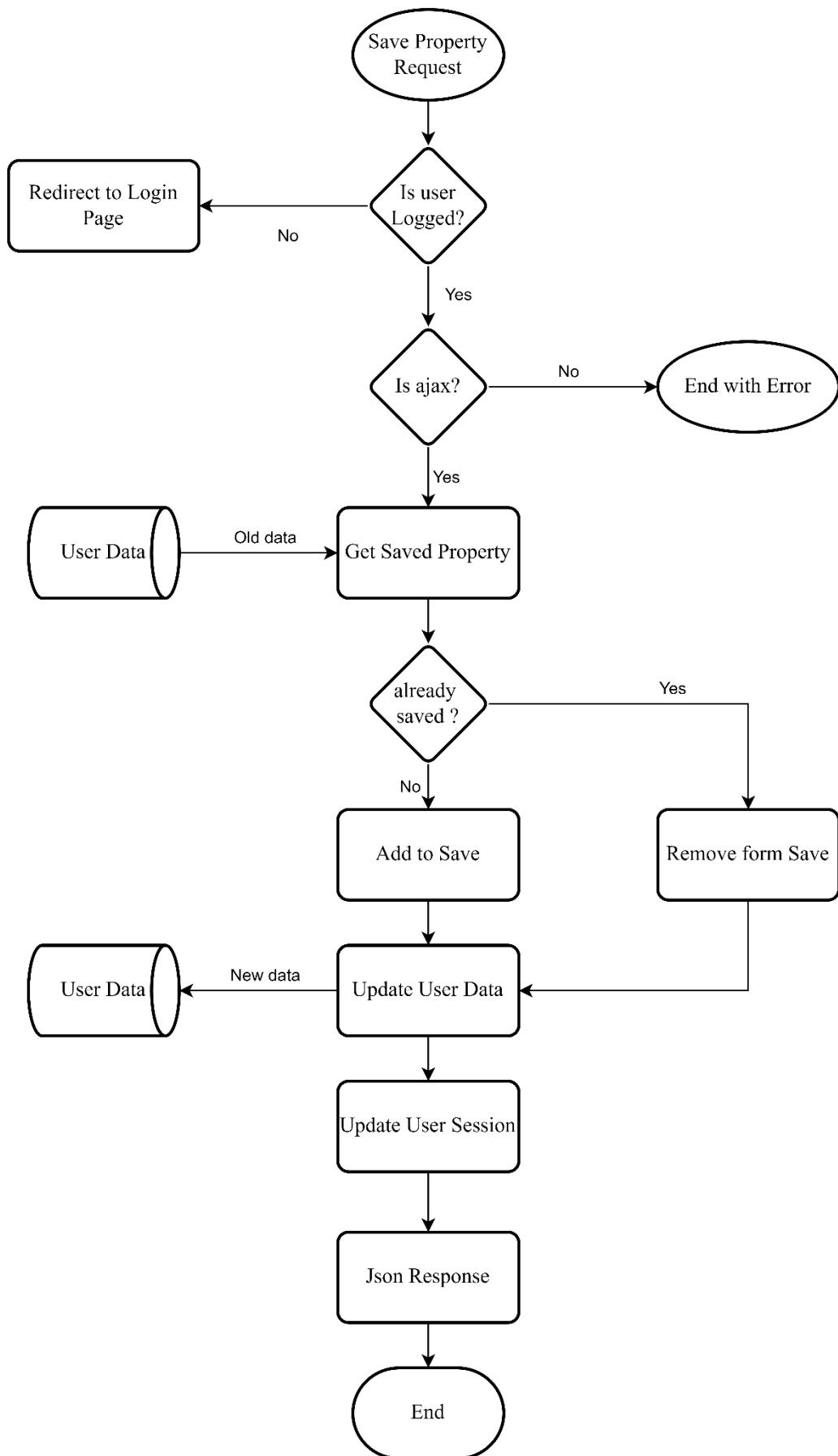
## Login



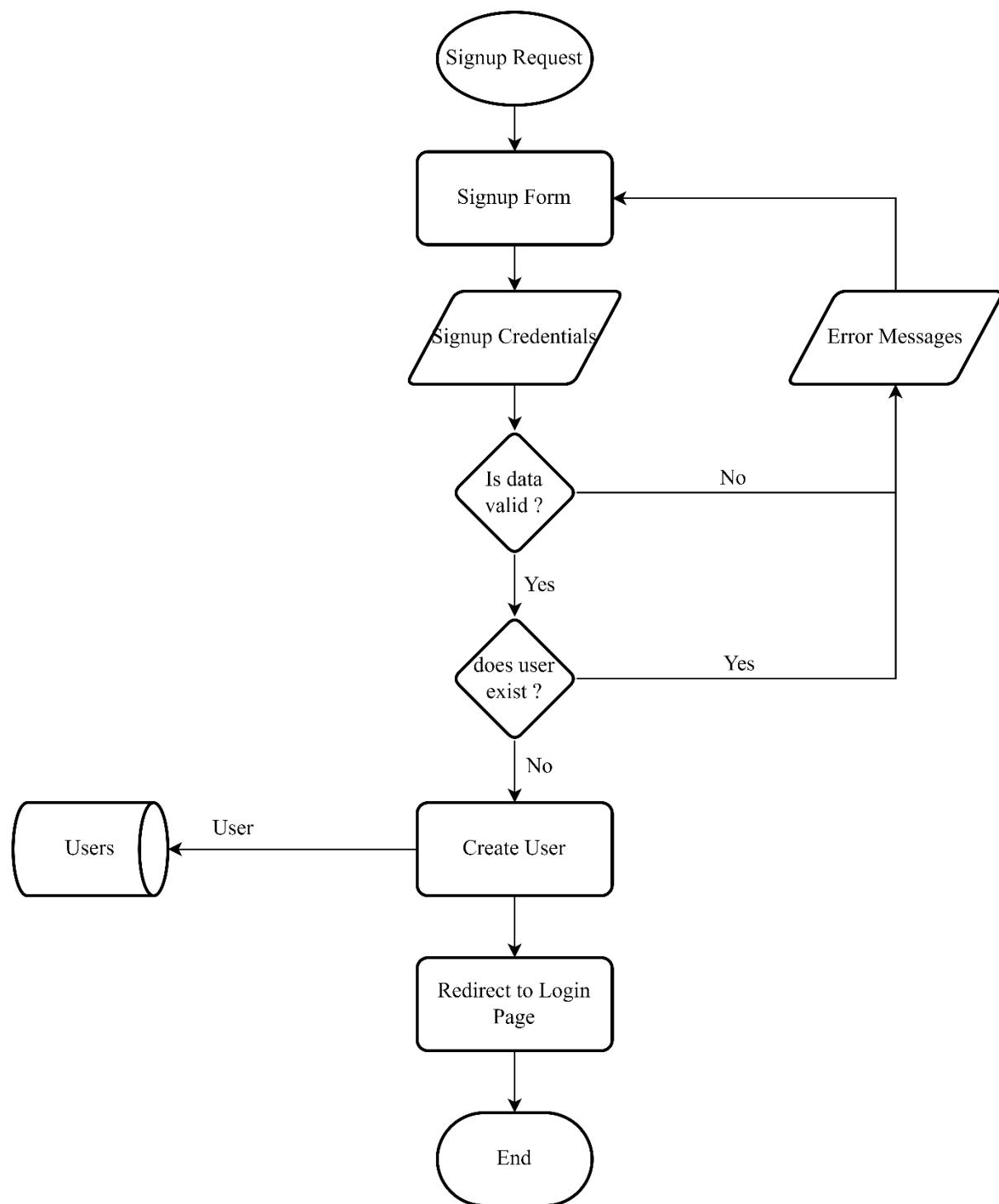
## Logout



## Save Property



## Signup



# 7 System Design

## 7.1 Routes List

Routes list shows how many routes there are in this website and the purpose of these routes are informed by action and if routes are required to be authenticated then they pass through middleware.

### 7.1.1 UserController Routes

Method	URI	Action	Middleware
GET	/	Userhome	
GET	/404	Not_found	
GET	/about	Show_about	
GET	/faq	Show_faq	
GET	/login	Loginform	
POST	/login	Login	
GET	/logout	Logout	
GET	/property	Show	
GET	/property/ajaxFilter	ajaxFilter	AJAX
GET	/property/category/{cate}	Show_category	
GET	/property/city/{city}	Show_city	
GET	/property/propSearch	propSearch	
GET	/property/purpose/{purpose}	Show_purpose	
GET	/property/{pro}	Show_pro	
GET	/signup	SignupForm	

Method	URI	Action	Middleware
POST	/signup	Signup	
GET	/terms	Show_terms	
GET	/user/chng-password	Change_pass	Usercheck
POST	/user/chng-password	Save_pass	Usercheck
GET	/user/profile	UserProfile	Usercheck
GET	/user/profile/del_img	Del_img	AJAX Usercheck
GET	/user/profile/edit	EditProfile	Usercheck
POST	/user/profile/edit	EditedProfile	Usercheck
POST	/user/review	Add_review	AJAX Usercheck
GET	/user/review/delete/{id?}	Del_review	AJAX Usercheck
GET	/user/save/property/{pro}/{id}	Save_pro	AJAX Usercheck
GET	/user/saved	Show_saved	Usercheck
GET	{any}	Not_found	

## 7.1.2 AdminController Routes

Method	URI	Action	Middleware
GET	/admin/category	List_category	Authcheck
GET	/admin/category/add	Add_category	Authcheck
POST	/admin/category/add	Category_added	Authcheck
GET	/admin/category/{id}/del	del_category	Authcheck
GET	/admin/category/{id}/edit	edit_category	Authcheck
POST	/admin/category/{id}/edit	category_edited	Authcheck
GET	/admin/chng-password	chng_password	Authcheck
POST	/admin/chng-password	chng_password	Authcheck
GET	/admin/cities	list_cities	Authcheck
GET	/admin/cities/add	add_cities	Authcheck
POST	/admin/cities/add	cities_added	Authcheck
GET	/admin/cities/{id}/del	del_cities	Authcheck
GET	/admin/cities/{id}/edit	edit_cities	Authcheck
POST	/admin/cities/{id}/edit	cities_edited	Authcheck
GET	/admin/dashboard	AdminHome	Authcheck
GET	/admin/facilities	list_facilities	Authcheck
GET	/admin/facilities/add	add_facilities	Authcheck
POST	/admin/facilities/add	facilities_added	Authcheck
GET	/admin/facilities/{id}/del	del_facilities	Authcheck
GET	/admin/facilities/{id}/edit	edit_facilities	Authcheck
POST	/admin/facilities/{id}/edit	facilities_edited	Authcheck

Method	URI	Action	Middleware
GET	/admin/gallery	list_gallery	Authcheck
GET	/admin/login	AdminLoginPage	
POST	/admin/login	AdminLogin	
GET	/admin/logout	AdminLogout	Authcheck
GET	/admin/properties	list_properties	Authcheck
GET	/admin/properties/add	add_properties	Authcheck
POST	/admin/properties/add	properties_added	Authcheck
GET	/admin/properties/{id}/del	del_properties	Authcheck
GET	/admin/properties/{id}/edit	edit_properties	Authcheck
POST	/admin/properties/{id}/edit	properties_edited	Authcheck
GET	/admin/properties/{id}/gallery	get_gallery	Authcheck
POST	/admin/properties/{id}/gallery	set_gallery	Authcheck
GET	/admin/properties/{id}/gallery/{gid}	del_gallery	Authcheck
GET	/admin/properties/{id}/reviews	get_reviews	Authcheck
GET	/admin/reviews	list_reviews	Authcheck
GET	/admin/reviews/del/{rid}	del_reviews	Authcheck
GET	/admin/users	list_users	Authcheck
POST	/admin/users/type	type_users	AJAX Authcheck
GET	/admin/users/{id}/del	del_users	Authcheck

### 7.1.3 SiteController Routes

Method	URI	Action	Middleware
GET	/admin/cms	list_cms	Authcheck
POST	/admin/cms	save_cms	Authcheck
GET	/admin/cms/ajaxDelete	cmsajaxDelete	AJAX Authcheck
GET	/admin/sitesettings	list_settings	Authcheck
POST	/admin/sitesettings	save_settings	Authcheck
GET	/admin/sitesettings/ajaxDelete	ajaxDelete	AJAX Authcheck

## 7.2 Directory Structure

Below is the directory structure where some common Laravel framework parts are not showed because they are repetitive and consumes more space and also they don't explain this project much on themselves. So directories which help explain this project are shown.

```

| .editorconfig
| .env
| .env.example
| .gitattributes
| .gitignore
| .htaccess--
| .styleci.yml
| artisan
| composer.json
| composer.lock
| index.php--
| package.json
| phpunit.xml
| README.md
| real_estate_site.sql--
| server.php
| tree.txt
| webpack.mix.js
|
+---app
| +---Console
| | | Kernel.php
|
| +---Exceptions
| | | Handler.php
|
| +---Http
| | | Kernel.php
|
| | +---Controllers
| | | | AdminController.php
| | | | Controller.php
| | | | SiteController.php
| | | | UserController.php
|
| | \---Middleware
| | | | AuthCheck.php
| | | | Authenticate.php
| | | | EncryptCookies.php
| | | | PreventRequestsDuringMaintenance.php

```

```

| |   RedirectIfAuthenticated.php
| |   TrimStrings.php
| |   TrustHosts.php
| |   TrustProxies.php
| |   UserCheck.php
| |   VerifyCsrfToken.php
| |
| |
| 
```

**+---Models**

```

| |   Category.php
| |   City.php
| |   cms.php
| |   Facilities.php
| |   gallary.php
| |   Property.php
| |   Reviews.php
| |   SiteSettings.php
| |   User.php
| |   UserData.php
| |
| 
```

**+---Providers**

```

| |   AppServiceProvider.php
| |   AuthServiceProvider.php
| |   BroadcastServiceProvider.php
| |   EventServiceProvider.php
| |   RouteServiceProvider.php
| |
| 
```

**\---View**

```

| |   \---Components
| |       Input.php
| |       logInput.php
| |
| 
```

**+---bootstrap**

```

| |   app.php
| |
| 
```

**\---cache**

```

| |   .gitignore
| |   packages.php
| |   services.php
| |
| 
```

**+---config**

```

| |   app.php
| |   auth.php
| |   broadcasting.php
| |   cache.php
| |   cors.php
| |   database.php
| |   dz.php
| |   filesystems.php
| |   hashing.php
| |   logging.php
| |
| 
```

```

|   mail.php
|   queue.php
|   sanctum.php
|   services.php
|   session.php
|   view.php
|
+---database
|   .gitignore
|
+---factories
|   UserFactory.php
|
+---migrations
|   2014_10_12_000000_create_users_table.php
|   2014_10_12_100000_create_password_resets_table.php
|   2019_08_19_000000_create_failed_jobs_table.php
|   2019_12_14_000001_create_personal_access_tokens_table.php
|   2021_12_31_123225_create_categories_table.php
|   2022_01_02_091034_create_cities_table.php
|   2022_01_07_144759_create_facilities_table.php
|   2022_01_09_063114_create_properties_table.php
|   2022_01_11_150349_create_galleries_table.php
|   2022_01_21_040603_create_site_settings_table.php
|   2022_01_25_050443_add_desc_fe_image_property.php
|   2022_01_30_044047_upd_facilities.php
|   2022_01_30_075444_upd_properties.php
|   2022_01_30_092847_upd_properties2.php
|   2022_02_06_062102_create_user_data_table.php
|   2022_02_18_141645_upd_user_data.php
|   2022_02_25_134358_create_reviews_table.php
|   2022_03_11_113517_create cms_table.php
|   2022_03_13_032458_update_property.php
|
\---seeders
    DatabaseSeeder.php
|
+---public
|   .htaccess
|   favicon.ico
|   index.php
|   robots.txt
|   stockUser.png
|   web.config
|
+---css
|   carousel.css
|   dashboard.css
|   footers.css
|   headers.css

```

```
+---js
|   adminjs.js

\---storage
|   .gitignore

+---resources
|   +---css
|       app.css

|   +---js
|       app.js
|       bootstrap.js

|   +---lang
|       \---en
|           auth.php
|           pagination.php
|           passwords.php
|           validation.php

\---views
|   welcome.blade.php

+---AdminPanel
|   +---AdminUser
|       AdminLogin.blade.php

|   +---category
|       form.blade.php
|       list.blade.php

|   +---chng_password
|       form.blade.php

|   +---cities
|       form.blade.php
|       list.blade.php

|   +---cms
|       formlist.blade.php

|   +---dashboard
|       dashboard.blade.php

|   +---facilities
|       form.blade.php
|       list.blade.php
```

```

|   |   +---gallary
|   |   |   list.blade.php
|   |
|   +---layouts
|   |   end.blade.php
|   |   main.blade.php
|   |   navbar.blade.php
|   |   sidebar.blade.php
|   |   start.blade.php
|   |
|   +---properties
|   |   form.blade.php
|   |   list.blade.php
|   |
|   +---reviews
|   |   list.blade.php
|   |
|   +---SiteSettings
|   |   formlist.blade.php
|   |
|   \---users
|       list.blade.php
|
+---components
|   input.blade.php
|   log-input.blade.php
|
+---errors
|   404.blade.php
|
+---frontend
|   about.blade.php
|   faq.blade.php
|   home.blade.php
|   property.blade.php
|   show.blade.php
|   showinitem.blade.php
|   terms.blade.php
|
+---layouts
|   app.blade.php
|   carousel.blade.php
|   close.blade.php
|   footer.blade.php
|   header.blade.php
|   navbar.blade.php
|   oldp.blade.php
|
\---User
    chngPassword.blade.php

```

```
| editProfile.blade.php  
| Profile.blade.php  
| savedPro.blade.php  
| UserLogIn.blade.php  
| UserSignUp.blade.php  
|
```

**+---routes**

```
| api.php  
| channels.php  
| console.php  
| web.php  
|
```

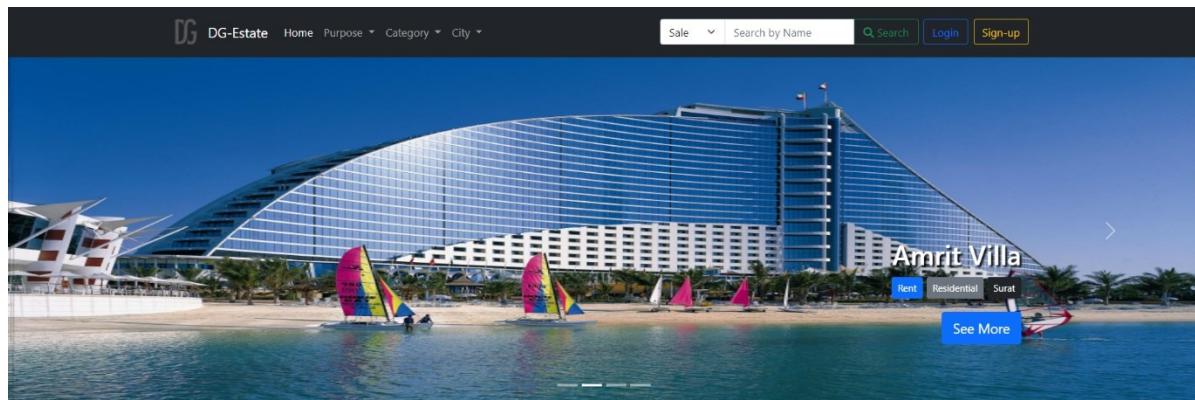
**+---storage**

```
| +---app  
| | | .gitignore  
| | |  
| | \---public  
| | | | .gitignore  
| | | |  
| | | +---cms  
| | | |  
| | | +---gallary  
| | | |  
| | | +---images  
| | | |  
| | | +---property  
| | | |  
| | | +---siteSettings  
| | | |  
| | | \---userdata  
| | |  
| +---framework  
| | .gitignore  
| |  
+---vendor
```

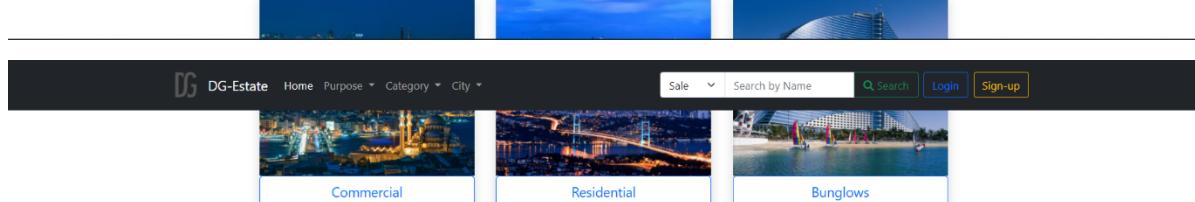
# 8 Frontend Layout

## 8.1 User

### 8.1.1 Home Page



#### Categories



Welcome to **DG-estate**, One of *the best Real Estate Website*.

Browse many different properties, at one place...

"Once Great, Always Great."

**Newly Added**



**Platinum Park**  
[Sale](#) [Residential](#) [Surat](#)  
2 ⚡ 2



**Blu Farm House**  
[Rent](#) [Bunglows](#) [Surat](#)  
3 ⚡ 4



**Artemis Fowl**  
[Pg](#) [Residential](#) [Ahmedabad](#)  
1 ⚡ 1



**Amrit Villa**  
[Rent](#) [Residential](#) [Surat](#)  
2 ⚡ 2



**Shivan Avenue**  
[Sale](#) [Residential](#) [Ahmedabad](#)  
4 ⚡ 3



**DG Villa Pro**  
[Sale](#) [Residential](#) [Surat](#)  
6 ⚡ 8

## Residential



**Platinum Park**  
[Sale](#) [Residential](#) [Surat](#)  
2 ⚡ 2



**Artemis Fowl**  
[Pg](#) [Residential](#) [Ahmedabad](#)  
1 ⚡ 1



**Amrit Villa**  
[Rent](#) [Residential](#) [Surat](#)  
2 ⚡ 2



**Shivan Avenue**  
[Sale](#) [Residential](#) [Ahmedabad](#)

**Bunglows**



**Blu Farm House**

[Rent](#) [Bunglows](#) [Surat](#)

3 ▶ 4



**Farm Villa**

[Rent](#) [Bunglows](#) [Surat](#)

3 ▶ 4

**Sitemap**

- [Home](#)
- [Properties](#)
- [About](#)
- [FAQs](#)
- [Terms](#)

**Quick Links**

- [Home](#)
- [Properties](#)
- [Profile](#)
- [Saved](#)

**DG** DG-Estate

[Contact Us](#)

+919121291212

[dg.real\\_estate@email.com](mailto:dg.real_estate@email.com)

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## 8.1.2 Property pages

**Properties**

Search Search by Name

Category All City All For All Sort by Latest

**Platinum Park**

Sale Residential Surat

Mauris tristique arcu rhoncus sapien molestie venenatis. Donec posuere dictum ex, eu imperdiet lacus maximus in. Etiam blandit nibh id aliquet porttitor. Vestibulum non nunc dignissim, porta est nec, porttitor sapien. Integer convallis erat eget ipsum dignissim, ac semper augue lacinia. Quisque sit amet ultrices purus. Mauris vestibulum tortor in urna bibendum, eu scelerisque felis sollicitudin. Phasellus molestie tellus id pulvinar feugiat. Vivamus eleifend pellentesque quam vel iaculis.

2 BHK 2

**Blu Farm House**

Rent Bungalows Surat

Lore ipsum dolor sit amet, consectetur adipiscing elit. Proin pellentesque, dui ac vehicula ultrices, tellus justo

**Sale**

Search Search by Name

Category All City All For Sale Sort by Oldest

**DG Villa Pro**

Sale Residential Surat

Nam metus elit, accumsan ac condimentum nec, lacinia vel erat. Aliquam vitae massa laoreet sapien placerat convallis. In a faucibus eros, a faucibus odio. Praesent sollicitudin viverra egestas. Vivamus a tortor quis felis iaculis mattis. Suspendisse a mollis sapien. Nunc eu imperdiet tortor, eget mattis erat.

8 BHK 8

**Shivan Avenue**

Sale Residential Ahmedabad

Nam metus elit, accumsan ac condimentum nec, lacinia vel erat. Aliquam vitae massa laoreet sapien placerat convallis. In a faucibus eros, a faucibus odio. Praesent sollicitudin viverra egestas. Vivamus a tortor quis felis iaculis mattis. Suspendisse a mollis sapien. Nunc eu imperdiet tortor, eget mattis erat.

**Residential**

Search by Name

Category: Residential | City: All | For: All | Sort by: Latest | Filter



**Platinum Park**  
Sale Residential Surat

Mauris tristique arcu rhoncus sapien molestie venenatis. Donec posuere dictum ex. eu imperdiet lacus maximus in. Etiam blandit nibh id aliquet porttitor. Vestibulum non nunc dignissim, porta est nec, porttitor sapien. Integer convallis erat eget ipsum dignissim, ac semper augue lacinia. Quisque sit amet ultrices purus. Mauris vestibulum tortor in urna bibendum, eu scelerisque felis sollicitudin. Phasellus molestie tellus id pulvinar feugiat. Vivamus eleifend pellentesque quam vel iaculis.

2 BHK 2 BHK

[Read more](#)



**Artemis Fowl**  
Pg Residential Ahmedabad

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.

DG-Estate Home Purpose Category City

Sale Search Login Sign-up

**Surat**

Search by Name

Category: All | City: Surat | For: All | Sort by: Latest | Filter



**Platinum Park**  
Sale Residential Surat

Mauris tristique arcu rhoncus sapien molestie venenatis. Donec posuere dictum ex. eu imperdiet lacus maximus in. Etiam blandit nibh id aliquet porttitor. Vestibulum non nunc dignissim, porta est nec, porttitor sapien. Integer convallis erat eget ipsum dignissim, ac semper augue lacinia. Quisque sit amet ultrices purus. Mauris vestibulum tortor in urna bibendum, eu scelerisque felis sollicitudin. Phasellus molestie tellus id pulvinar feugiat. Vivamus eleifend pellentesque quam vel iaculis.

2 BHK 2 BHK

[Read more](#)



**Blu Farm House**  
Rent Bungalows Surat

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Proin pellentesque, dui ac vehicula ultrices, tellus justo

**DG Estate** Home Purpose ▾ Category ▾ City ▾ Sale ▾ Search by Name

## DG Villa Pro

Residential Surat  
Nam metus elit, accumsan ac condimentum nec, lacinia vel erat. Aliquam vitae massa laoreet sapien placerat convallis. In a faucibus eros, a faucibus odio. Praesent sollicitudin viverra egestas. Vivamus a tortor quis felis iaculis mattis. Suspendisse a mollis sapien. Nunc eu imperdiet tortor, eget mattis erat.

For Sale...  Price : ₹ 9,690,000

**Gallary :**

**Video :**

**Area :** 2,004,269 Sq. Ft.

**Floorplan :**

**Facilities :**

- Gym  Swimming Pool
- Children Park  Garden

**Contact :**

- 753951852  abxyz123@example.com

**DG Estate** Home Purpose ▾ Category ▾ City ▾ Sale ▾ Search by Name

**Address :** Anita villa, Kim, Nam metus elit, accumsan ac condimentum nec, lacinia vel erat. Aliquam vitae massa laoreet sapien placerat convallis. In a faucibus eros, a faucibus odio.

**DG Estate** Home Purpose Category City

Sale Search by Name Search Login Sign-up

**Address :** Anita villa, Kim, Nam metus elit, accumsan ac condimentum nec, lacinia vel erat. Aliquam vitae massa laoreet sapien placerat convallis. In a faucibus eros, a faucibus odio.

**Map :**

**Reviews**

Fabulas  
Admin User

**Sitemap**

- Home
- Properties
- About
- FAQs
- Terms

**Quick Links**

- Home
- Properties
- Profile
- Saved

**DG Estate**

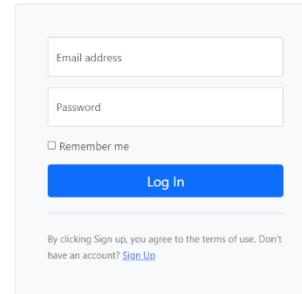
**Contact Us**

+919121291212  
dg.real\_estate@email.com

### 8.1.3 Auth pages

#### Welcome back to DG-Estate

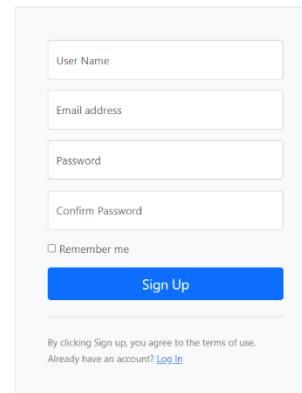
This is just bunch of random text you don't need to read it. Stop it already I told you don't read it. Fine do whatever you want read this too. It took me F\*\*\*ing \*\* Months to make this Project.



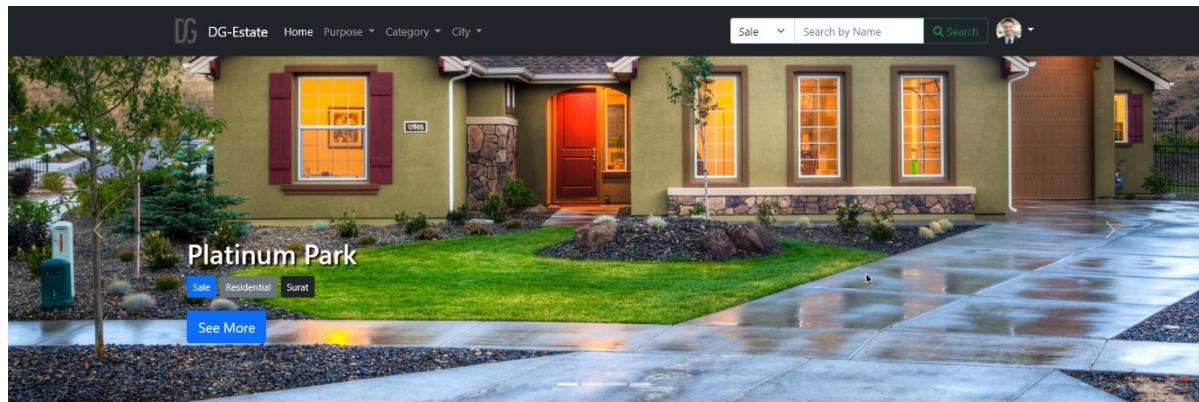
A wireframe diagram of a login form. It includes fields for 'Email address' and 'Password', a 'Remember me' checkbox, and a large blue 'Log In' button. Below the form is a small note: 'By clicking Sign up, you agree to the terms of use. Don't have an account? [Sign Up](#)'.

#### Welcome to DG-Estate

This is just bunch of random text you don't need to read it. Stop it already I told you don't read it. Fine do whatever you want read this too. It took me F\*\*\*ing \*\* Months to make this Project.

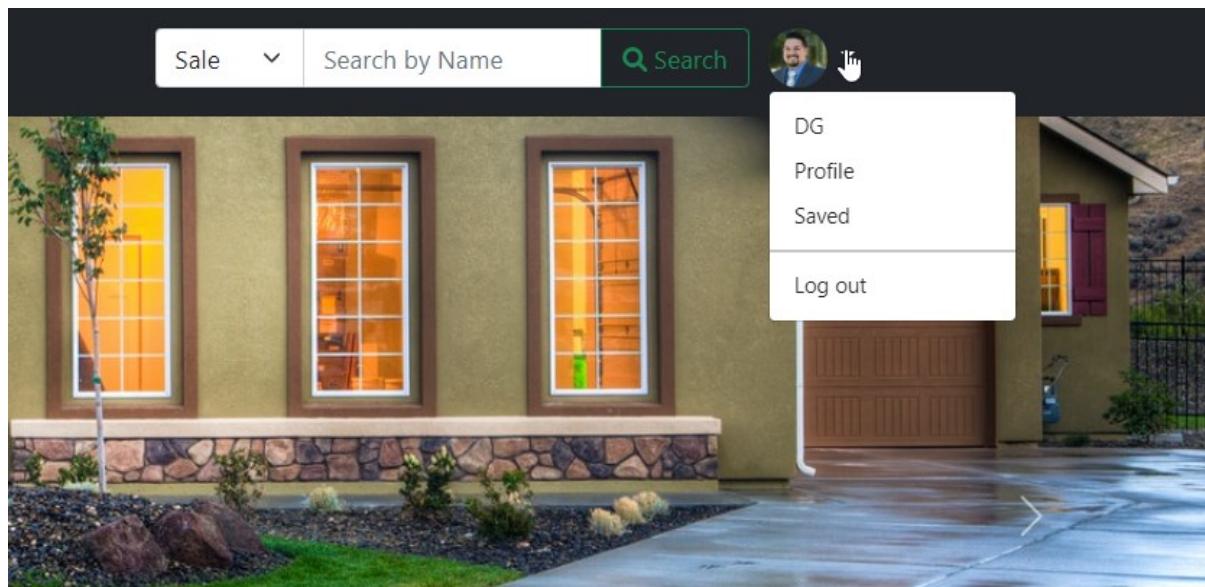


A wireframe diagram of a sign-up form. It includes fields for 'User Name', 'Email address', 'Password', and 'Confirm Password'. There is also a 'Remember me' checkbox and a large blue 'Sign Up' button. Below the form is a small note: 'By clicking Sign up, you agree to the terms of use. Already have an account? [Log In](#)'.



## Categories

## User



**Screenshot 1: Profile Overview**

The screenshot shows a user profile for 'DG'. It includes a large profile picture of a smiling man with a beard, a name 'DG', an email 'dannyglade@xyz.com', and a bio: 'I'm the God of this Website 😈, Of course this photo is not mine...'. There are 'Edit Profile' and 'Change Password' buttons.

**Screenshot 2: Profile Edit Form**

The screenshot shows the 'Edit Profile' form. It has fields for 'Name' (DG), 'Email' (dannyglade@xyz.com), and 'About' (I'm the God of this Website 😈, Of course this photo is not mine...). A 'Save Profile' button is at the bottom. Below the form is a file input field with 'Choose File' and 'Remove' buttons.

**Screenshot 3: Change Password Form**

The screenshot shows the 'Change Password' form with fields for 'Old Password' (Your Old Password here), 'New Password' (Your New Password here), and 'Confirm New Password' (Your New Password Confirmation here). A 'Change Password' button is at the bottom.

**Screenshot 4: Footer and Navigation**

The footer includes a 'Sitemap' link, 'Quick Links' (Home, Properties, Profile, Saved), the 'DG-Estate' logo, 'Contact Us' (phone +919121291212), and an email link (ig.real\_estate@email.com).

**Saved Properties**



**DG Villa Pro**

[Sale](#) [Residential](#) [Surat](#)

Nam metus elit, accumsan ac condimentum nec, lacinia vel erat. Aliquam vitae massa laoreet sapien placerat convallis. In a faucibus eros, a faucibus odio. Praesent sollicitudin viverra egestas. Vivamus a tortor quis felis iaculis mattis. Suspendisse a mollis sapien. Nunc eu imperdiet tortor, eget mattis erat.

8 ♂ 8 ♀

[Read more](#) [Saved](#)



**Shivan Avenue**

[Sale](#) [Residential](#) [Ahmedabad](#)

Nam metus elit, accumsan ac condimentum nec, lacinia vel erat. Aliquam vitae massa laoreet sapien placerat convallis. In a faucibus eros, a faucibus odio. Praesent sollicitudin viverra egestas. Vivamus a tortor quis felis iaculis mattis. Suspendisse a mollis sapien. Nunc eu imperdiet tortor, eget mattis erat.

4 ♂ 3 ♀

[Read more](#) [Saved](#)

**Properties**

[Search](#) [Search by Name](#) [Search](#)

[Category](#) All [City](#) All [For](#) All [Sort by](#) Latest [Filter](#)



**Platinum Park**

[Sale](#) [Residential](#) [Surat](#)

Mauris tristique arcu rhoncus sapien molestie venenatis. Donec posuere dictum ex, eu imperdiet lacus maximus in. Etiam blandit nibh id aliquet porttitor. Vestibulum non nunc dignissim, porta est nec, porttitor sapien. Integer convallis erat eget ipsum dignissim, ac semper augue lacinia. Quisque sit amet ultrices purus. Mauris vestibulum tortor in urna bibendum, eu scelerisque felis sollicitudin. Phasellus molestie tellus id pulvinar feugiat. Vivamus eleifend pellentesque quam vel lacus.

2 ♂ 2 ♀

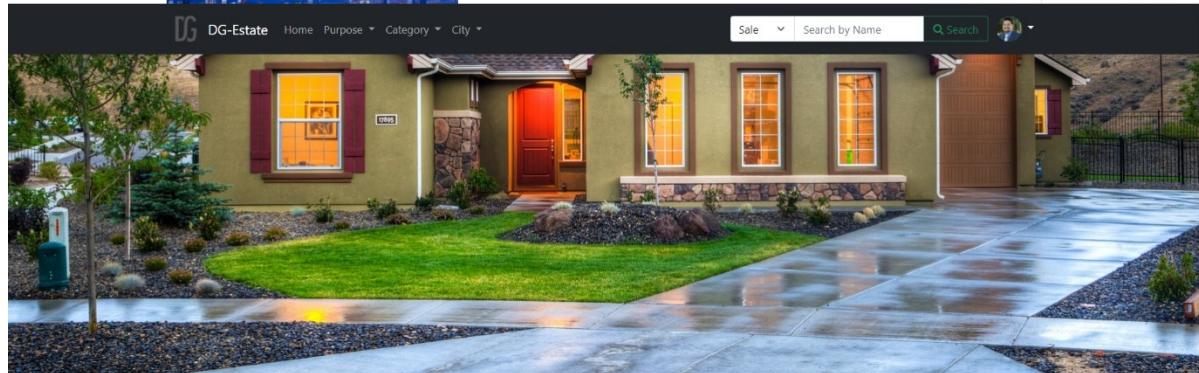
[Read more](#) [Save](#)



**Blu Farm House**

[Rent](#) [Bungalows](#) [Surat](#)

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Proin pellentesque, dui ac vehicula ultrices, tellus justo





**Platinum Park**

[Residential](#) [Surat](#)

Mauris tristique arcu rhoncus sapien molestie venenatis. Donec posuere dictum ex, eu imperdiet lacus maximus in. Etiam blandit nibh id aliquet porttitor. Vestibulum non nunc dignissim, porta est nec, porttitor sapien. Integer convallis erat eget ipsum dignissim, ac semper augue lacinia. Quisque sit amet ultrices purus. Mauris vestibulum tortor in urna bibendum, eu scelerisque felis sollicitudin. Phasellus molestie tellus id pulvinar feugiat. Vivamus eleifend pellentesque quam vel lacus.

**DG Estate** Home Purpose Category City

Sale Search by Name Search

**For Sale...** Price : ₹ 4,500,000

**Gallay :** No Images Uploaded

**Video :**



Watch later Share

**Area :** 1,400 Sq. Ft.

**Floorplan :**

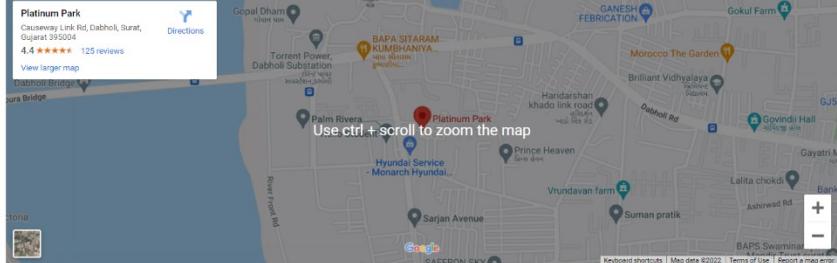


**Facilities :** Children Park, Garden, Party Plot

**Contact :** +9194298123456, darshan12@gmail.co

**Address :** E-5, 103, Platinum Park, Near Dabholi Bridge, Katargam, Surat.

**Map :**



Platinum Park, Causeway Link Rd, Dabholi, Surat, Gujarat 395004  
4.4 ★★★★☆ 125 reviews  
View larger map

Use ctrl + scroll to zoom the map

**Reviews**

 Enter Your Review here...  
DG

 This is a demo review  
DG

No reviews from People yet...

## 8.1.4 Other Pages



**About Us**

**Who are we?**

Lore ipsum dolor sit amet, consectetur adipiscing elit. In eget faucibus dolor. Nunc nec nisi eget ligula malesuada condimentum a vitae neque. Suspendisse ut pulvinar justo. Donec eget mauris dolor. Nulla sed eros imperdiet, ultrices sem in, consequat nulla. Nulla in blandit arcu, at finibus odio. Etiam vel suscipit leo.

**Why choose us?**

Maecenas laoreet volutpat arcu, eu feugiat eros blandit in. Donec placerat pretium fermentum. Morbi sed arcu hendrerit, posuere est et, finibus elit. Cras at dolor viverra, suscipit turpis ac, finibus velit. In elementum porttitor tincidunt. Cras id congue nisl. Nam ornare diam sit amet risus dignissim, eget pharetra odio rutrum. Mauris ornare orci vel accumsan molestie. Curabitur auctor, ex vitae porttitor volutpat, leo justo varius dolor, a porta ex vel metus. Curabitur non viverra orci, volutpat finibus lorem. Suspendisse dictum felis neque, ut tempus mi facilisis et. Phasellus eu risus leo. Cras pretium mi vel nisl suscipit, ac ultrices odio tincidunt.

**What we offer?**

In ante mauris, vestibulum quis justo ac, vestibulum malesuada mauris. Nunc finibus blandit ex. Aliquam efficitur urna porta commodo maximus. Pellentesque nec nisi velit. Proin ex nisl, laoreet vel dignissim sed, varius nec elit. Donec pharetra sem ac odio lacinia dictum. Sed vehicula neque ipsum, id vestibulum metus convallis ac. Praesent eu ullamcorper mi. Sed fermentum augue sed maximus suscipit. Aenean non massa ut urna commodo cursus. Pellentesque sagittis ex eget leo convallis, nec sodales tortor euismod.

 DG-Estate Home Purpose Category City

**FAQs**

**How can we list properties on DG-estate?**

- Quisque pretium ex convallis bibendum dictum.
- Maecenas sit amet elit ultrices, viverra urna id, posuere ligula.

**Can we pay rent from this platform?**

- Duis eu massa non risus imperdiet iaculis eu in lacus.
- Curabitur dapibus sem a rutrum malesuada.
- Praesent efficitur mauris vel lorem ultrices eleifend.

**Are properties on this website are genuine?**

- Fusce ac leo molestie, aliquam purus in, consectetur tellus.
- Maecenas non quam ac lectus pharetra ornare.

**Sitemap**

- Home
- Properties
- About

**Quick Links**

- Home
- Properties
- Profile

 DG-Estate

 Contact Us

 DG-Estate Home Purpose Category City

**Terms**

- Sed id laoreet purus. In liberum quis sem gravida posuere quis quis augue. Sed sit amet enim id erat elementum ultrices. Mauris sed sagittis ante. Mauris ut nunc iaculis, maximus nulla quis, porta diam. Quisque tempus, arcu vel imperdiet auctor, nibh nisl faucibus arcu, et accumsan est justo scelerisque erat. Ut facilisis erat turpis, quis suscipit orci tincidunt eget. Nulla nibh mauris, dapibus non mollis at, porta ut arcu. Donec porta turpis velit, vitae iaculis ligula iaculis at. Aenean vel ex auctor, mattis urna sed, hendrerit enim.
- Vivamus convallis felis non justo sollicitudin scelerisque. Pellentesque tincidunt iaculis neque, eu iaculis ex gravida eu. Pellentesque nunc diam, dignissim at dui vel, gravida venenatis mi. Mauris eu euismod eros, et mollis felis. Duis egestas pharetra est, a hendrerit metus bibendum eu. Morbi et rhoncus mi. Ut congue elementum purus vitae lobortis. Duis sed lectus sit amet tellus tincidunt cursus vitae maximus libero. Phasellus rhoncus est a commodo lacinia.
- Maecenas ut iaculis metus, et venenatis felis. Donec a augue non ante finibus vulputate ut vitae lectus. Fusce rhoncus purus sit amet sagittis commodo. Sed at efficitur purus. Etiam eros augue, sollicitudin a laoreet at, mattis tempor ex. Proin molestie nisl neaque malesuada, eu semper quam mattis. Suspendisse dictum nisi leo. Sed pulvinar lacus sit amet ipsum pretium feugiat. Donec non erat tempus, posuere eros vel, finibus dolor. Praesent odio lectus, cursus at rhoncus sed, vehicula id sem. Morbi pharetra dapibus diam, quis rutrum neque lobortis pharetra. Cras pretium, libero eu volutpat porta, odio odio accumsan metus, ac tempus eros leo sodales urna. Sed at orci id quam aliquet imperdiet. In imperdiet non mauris vel pellentesque. Aliquam ut dolor consectetur, dignissim orci et, accumsan purus.

**Conditions**

- Mauris tristique arcu rhoncus sapien molestie venenatis. Donec posuere dictum ex, eu imperdiet lacus maximus in. Etiam blandit nibh id aliquet porttitor. Vestibulum non nunc dignissim, porta est nec, porttitor sapien. Integer convallis erat eget ipsum dignissim, ac semper augue lacinia. Quisque sit amet ultrices purus. Mauris vestibulum tortor in urna bibendum, eu scelerisque felis sollicitudin. Phasellus molestie tellus id pulvinar feugiat. Vivamus eleifend pellentesque quam vel iaculis.

## 8.2 Admin/Root Pages

### 8.2.1 Dashboard

**DG-Estate | Admin User**

**Dashboard**  
Admin / Dashboard

Users +1	Reviews +4	Properties +1
New users this month <a href="#">more info</a>	New reviews this month <a href="#">more info</a>	New properties this month <a href="#">more info</a>

**More Info**

Users	Reviews	Properties
Mark Specter mark@specter.com	DG This is a demo review  Admin User Fabulas  DG Very poor area to live... not recommended  DG hello there	Platinum Park <a href="#">See more</a>

---

**DG-Estate | Titan**

**Dashboard**  
Admin / Dashboard

Users +1	Reviews +4	Properties +1
New users this month <a href="#">more info</a>	New reviews this month <a href="#">more info</a>	New properties this month <a href="#">more info</a>

**More Info**

Users	Reviews	Properties
Mark Specter mark@specter.com	DG This is a demo review  Admin User Fabulas  DG Very poor area to live... not recommended  DG hello there	Platinum Park <a href="#">See more</a>

## 8.2.2 Category

DG-Estate | Admin User

- [Dashboard](#)
- [\*\*Category\*\*](#)
- [Cities](#)
- [Facilities](#)
- [Properties](#)
- [Gallery](#)
- [Reviews](#)
- [Users](#)

ROOT USER ACCESS

- [CMS](#)
- [Site Settings](#)
- [Change Password](#)

**Category**

Category / List

Show 10 entries

Id	Category Name	Image	Action
2	Bungalows		
3	Residential		
5	Commercial		

Showing 1 to 3 of 3 entries

Search:  Previous Next

DG-Estate | Titan

- [Dashboard](#)
- [\*\*Category\*\*](#)
- [Cities](#)
- [Facilities](#)
- [Properties](#)
- [Gallery](#)
- [Reviews](#)
- [Users](#)

**Category**

Category / List

Show 10 entries

Id	Category Name	Image	Action
2	Bungalows		
3	Residential		
5	Commercial		

Showing 1 to 3 of 3 entries

Search:  Previous Next

DG-Estate | Admin User

Log out

- Dashboard
- Category**
- Cities
- Facilities
- Properties
- Gallery
- Reviews
- Users

ROOT USER ACCESS

- CMS
- Site Settings
- Change Password

## Category

Category / Add

Add

### Add Category

Category Name

Category Image  
for best output upload [400 x 225] Image

Choose File No file chosen

Submit

DG-Estate | Admin User

Log out

- Dashboard
- Category**
- Cities
- Facilities
- Properties
- Gallery
- Reviews
- Users

ROOT USER ACCESS

- CMS
- Site Settings
- Change Password

## Category

Category / Edit

Add

### Edit Category

Category Name

Old Image

Category Image  
for best output upload [400 x 225] Image

Choose File No file chosen

Update

## 8.2.3 City

DG-Estate   Admin User		Cities																		
<ul style="list-style-type: none"> <li><a href="#">Dashboard</a></li> <li><a href="#">Category</a></li> <li><b>Cities</b></li> <li><a href="#">Facilities</a></li> <li><a href="#">Properties</a></li> <li><a href="#">Gallery</a></li> <li><a href="#">Reviews</a></li> <li><a href="#">Users</a></li> </ul> <p>ROOT USER ACCESS</p> <ul style="list-style-type: none"> <li><a href="#">CMS</a></li> <li><a href="#">Site Settings</a></li> <li><a href="#">Change Password</a></li> </ul>	<div style="display: flex; justify-content: space-between;"> <span>Log out</span> <span>Add</span> </div> <div style="margin-top: 10px;"> <p>Show <input type="button" value="10"/> entries</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Id</th> <th style="text-align: left;">City Name</th> <th style="text-align: left;">Status</th> <th style="text-align: left;">Action</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Surat</td> <td>Active</td> <td> </td> </tr> <tr> <td>2</td> <td>Ahmedabad</td> <td>Active</td> <td> </td> </tr> <tr> <td>3</td> <td>Bharuch</td> <td>Disabled</td> <td> </td> </tr> </tbody> </table> <p>Showing 1 to 3 of 3 entries</p> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <span>Previous</span> <span>1</span> <span>Next</span> </div> </div>				Id	City Name	Status	Action	1	Surat	Active		2	Ahmedabad	Active		3	Bharuch	Disabled	
Id	City Name	Status	Action																	
1	Surat	Active																		
2	Ahmedabad	Active																		
3	Bharuch	Disabled																		
DG-Estate   Titan		Cities																		
<ul style="list-style-type: none"> <li><a href="#">Dashboard</a></li> <li><a href="#">Category</a></li> <li><b>Cities</b></li> <li><a href="#">Facilities</a></li> <li><a href="#">Properties</a></li> <li><a href="#">Gallery</a></li> <li><a href="#">Reviews</a></li> <li><a href="#">Users</a></li> </ul>	<div style="display: flex; justify-content: space-between;"> <span>Log out</span> <span>Add</span> </div> <div style="margin-top: 10px;"> <p>Show <input type="button" value="10"/> entries</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Id</th> <th style="text-align: left;">City Name</th> <th style="text-align: left;">Status</th> <th style="text-align: left;">Action</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Surat</td> <td>Active</td> <td></td> </tr> <tr> <td>2</td> <td>Ahmedabad</td> <td>Active</td> <td></td> </tr> <tr> <td>3</td> <td>Bharuch</td> <td>Disabled</td> <td></td> </tr> </tbody> </table> <p>Showing 1 to 3 of 3 entries</p> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <span>Previous</span> <span>1</span> <span>Next</span> </div> </div>				Id	City Name	Status	Action	1	Surat	Active		2	Ahmedabad	Active		3	Bharuch	Disabled	
Id	City Name	Status	Action																	
1	Surat	Active																		
2	Ahmedabad	Active																		
3	Bharuch	Disabled																		

DG-Estate | Admin User

Log out

Dashboard Category Cities Facilities Properties Gallery Reviews Users

ROOT USER ACCESS CMS Site Settings Change Password

## Cities

Cities / Add

Add

### Add City

City Name

City Status  Check to enable this city

Submit

---

DG-Estate | Admin User

Log out

Dashboard Category Cities Facilities Properties Gallery Reviews Users

ROOT USER ACCESS CMS Site Settings Change Password

## Cities

Cities / Edit

Add

### Edit City

City Name

City Status  Check to enable this city

Update

## 8.2.4 Facility

<p>DG-Estate   Admin User</p> <ul style="list-style-type: none"> <li><a href="#"> Dashboard</a></li> <li><a href="#"> Category</a></li> <li><a href="#"> Cities</a></li> <li><b><a href="#"> Facilities</a></b></li> <li><a href="#"> Properties</a></li> <li><a href="#"> Gallery</a></li> <li><a href="#"> Reviews</a></li> <li><a href="#"> Users</a></li> </ul> <p>ROOT USER ACCESS</p> <ul style="list-style-type: none"> <li><a href="#"> CMS</a></li> <li><a href="#"> Site Settings</a></li> <li><a href="#"> Change Password</a></li> </ul>	<p><b>Facilities</b></p> <p>Facilities / List</p> <p>Add</p> <p>Show 10 entries</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Id</th> <th style="text-align: left;">Facility</th> <th style="text-align: right;">Action</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">3</td> <td>Swimming Pool</td> <td style="text-align: right;"> </td> </tr> <tr> <td style="text-align: center;">4</td> <td>Gym</td> <td style="text-align: right;"> </td> </tr> <tr> <td style="text-align: center;">5</td> <td>Children Park</td> <td style="text-align: right;"> </td> </tr> <tr> <td style="text-align: center;">6</td> <td>Garden</td> <td style="text-align: right;"> </td> </tr> <tr> <td style="text-align: center;">7</td> <td>Party Plot</td> <td style="text-align: right;"> </td> </tr> </tbody> </table> <p>Showing 1 to 5 of 5 entries</p> <p>Previous  Next </p>	Id	Facility	Action	3	Swimming Pool		4	Gym		5	Children Park		6	Garden		7	Party Plot	
Id	Facility	Action																	
3	Swimming Pool																		
4	Gym																		
5	Children Park																		
6	Garden																		
7	Party Plot																		
<p>DG-Estate   Titan</p> <ul style="list-style-type: none"> <li><a href="#"> Dashboard</a></li> <li><a href="#"> Category</a></li> <li><a href="#"> Cities</a></li> <li><b><a href="#"> Facilities</a></b></li> <li><a href="#"> Properties</a></li> <li><a href="#"> Gallery</a></li> <li><a href="#"> Reviews</a></li> <li><a href="#"> Users</a></li> </ul>	<p><b>Facilities</b></p> <p>Facilities / List</p> <p>Add</p> <p>Show 10 entries</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Id</th> <th style="text-align: left;">Facility</th> <th style="text-align: right;">Action</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">3</td> <td>Swimming Pool</td> <td style="text-align: right;"></td> </tr> <tr> <td style="text-align: center;">4</td> <td>Gym</td> <td style="text-align: right;"></td> </tr> <tr> <td style="text-align: center;">5</td> <td>Children Park</td> <td style="text-align: right;"></td> </tr> <tr> <td style="text-align: center;">6</td> <td>Garden</td> <td style="text-align: right;"></td> </tr> <tr> <td style="text-align: center;">7</td> <td>Party Plot</td> <td style="text-align: right;"></td> </tr> </tbody> </table> <p>Showing 1 to 5 of 5 entries</p> <p>Previous  Next </p>	Id	Facility	Action	3	Swimming Pool		4	Gym		5	Children Park		6	Garden		7	Party Plot	
Id	Facility	Action																	
3	Swimming Pool																		
4	Gym																		
5	Children Park																		
6	Garden																		
7	Party Plot																		

DG-Estate | Admin User

Log out

**Facilities**

Facilities / Add

Add

**Add Facility**

Facility:

Font Awesome:  Color: Choose...

Choose...  
Blue  
Grey  
Green  
Red  
Yellow  
Teal Blue  
Light  
Dark

Submit

DG-Estate | Admin User

Log out

**Facilities**

Facilities / Edit

Add

**Edit Facility**

Facility:

Font Awesome:  Color: Choose...

Choose...  
Blue  
Grey  
Green  
Red  
Yellow  
Teal Blue  
Light  
Dark

Update

## 8.2.5 Property

DG-Estate | Admin User Log out

**Properties**

Properties / List

Show 10 entries Search:

ID	Public	Property	Price (₹)	Featured	Purpose	Category	Image	City	Gallery	Reviews	Action
3	Public	DG Villa Pro	9,690,000	Active	Sale	Residential		Surat			
4	Hidden	Farm Villa	5,000	Active	Rent	Bunglows		Surat			
5	Public	Shivan Avenue	1,050,000	Active	Sale	Residential		Ahmedabad			
6	Public	Amrit Villa	5,000	Active	Rent	Residential		Surat			
7	Public	Artemis Fowl	3,000	Disabled	Pg	Residential		Ahmedabad			
8	Public	Blu Farm House	10,000	Disabled	Rent	Bunglows		Surat			
9	Public	Platinum Park	4,500,000	Active	Sale	Residential		Surat			

Showing 1 to 7 of 7 entries Previous Next

DG-Estate | Titan Log out

**Properties**

Properties / List

Show 10 entries Search:

ID	Public	Property	Price (₹)	Featured	Purpose	Category	Image	City	Gallery	Reviews	Action
3	Public	DG Villa Pro	9,690,000	Active	Sale	Residential		Surat			
4	Hidden	Farm Villa	5,000	Active	Rent	Bunglows		Surat			
5	Public	Shivan Avenue	1,050,000	Active	Sale	Residential		Ahmedabad			
6	Public	Amrit Villa	5,000	Active	Rent	Residential		Surat			
7	Public	Artemis Fowl	3,000	Disabled	Pg	Residential		Ahmedabad			
8	Public	Blu Farm House	10,000	Disabled	Rent	Bunglows		Surat			
9	Public	Platinum Park	4,500,000	Active	Sale	Residential		Surat			

Showing 1 to 7 of 7 entries Previous Next

DG-Estate | Admin User Log out

**Properties**

Property / Add

**Add Property**

Submit

<input type="checkbox"/> Featured	<input type="checkbox"/> Public	<input type="checkbox"/> Property Featured Image for best output upload [1903 x 513] Image
<input type="checkbox"/> Property Title	<input type="checkbox"/> Price	Choose File No file chosen
<input type="checkbox"/> Purpose	<input type="checkbox"/> Category	<input type="checkbox"/> Property Image for best output upload [1920 x 1440] [4:3] Image
Options Choose...	Options Choose...	Choose File No file chosen
<input type="checkbox"/> Bed Rooms	<input type="checkbox"/> Bath Rooms	<input type="checkbox"/> Floorplan Image
1	1	Choose File No file chosen
<input type="checkbox"/> City	<input type="checkbox"/> Address	
Choose...		
<input type="checkbox"/> Contact Phone	<input type="checkbox"/> Contact Email	
<input type="checkbox"/> Facilities	Use Ctrl + Click to multi select	
Gym		

**DG-Estate | Admin User**

**Properties**

Contact Phone: \_\_\_\_\_ Contact Email: \_\_\_\_\_

Facilities: Gym, Swimming Pool, Children Park, Garden

Property Description:

Property Video:

Property Map:

**Submit**

---

**DG-Estate | Admin User**

**Properties**

**Edit Property**

Featured:  Property Title: DG Villa Pro Price: ₹ 9690000.00

Purpose: Options Sale Category: Residential

Bed Rooms: 8 Bath Rooms: 8 Area: Sq. Ft. 2004269

City: Surat Address: Anita villa, Kim, Nam metus elit, accumsan ac condimentum nec, laci

Contact Phone: 753951852 Contact Email: abxyz123@example.com

Facilities: Gym

Property Featured Image: Choose File No file chosen

Old Featured Image:

Property Image: Choose File No file chosen

Old Image:

**Update**

---

**DG-Estate | Admin User**

**Properties**

Contact Phone: 753951852 Contact Email: abxyz123@example.com

Facilities: Gym, Swimming Pool, Children Park, Garden

Property Description: Nam metus elit, accumsan ac condimentum nec, lacinia vel erat. Aliquam vitae massa laoreet sapien placerat convallis. In a faucibus eros, a faubus odio. Praesent sollicitudin viverra egestas. Vivamus a tortor quis felis iaculis mattis. Suspendisse a mollis sapien. Nunc

Property Video: <frame width="560" height="315" src="https://www.youtube.com/embed/xFIKsfP0-V" title="YouTube video player" frameborder="0" allow="accelerometer; autoplay; clipboard-write; encrypted-media; gyroscope; picture-in-picture" allowfullscreen></frame>

Property Map: <iframe src="https://www.google.com/maps/embed?pb=1m181m12l1m3!d3719.019130286292d72.804375814480083d21.2313761858893!2m3!1f0!2f0!3m2!1i1024!2i7684f13.1!3m3!1m2!1s0x3be04ea535702fad%3A0x9b9b3" />

**Update**

## 8.2.6 Gallary

Gallary				
Gallery / List				
Show	10	entries	Search:	<input type="text"/>
ID	Image	Property	Action	
3		Farm Villa	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
5		Farm Villa	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
8		DG Villa Pro	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
9		DG Villa Pro	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
10		DG Villa Pro	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>

DG Villa Pro Gallary				
Gallery / List				
Show	10	entries	Search:	<input type="text"/>
Add	<input type="button" value="Choose Files"/>	No file chosen	<input type="button" value="Add"/>	
ID	Image	Property	Action	
8		DG Villa Pro	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
9		DG Villa Pro	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
10		DG Villa Pro	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>
11		DG Villa Pro	<input type="button" value="Edit"/>	<input type="button" value="Delete"/>

Showing 1 to 4 of 4 entries

Previous  Next

## 8.2.7 Reviews

DG-Estate | Admin User Log out

**Reviews**

Reviews / List

Show 10 entries

ID	Property	User	Review	Action
16	Artemis Fowl	DG	hello there	<span style="color: red;">Delete</span>
17	Amrit Villa	DG	Very poor area to live... not recommended	<span style="color: red;">Delete</span>
21	DG Villa Pro	Admin User	Fabulas	<span style="color: red;">Delete</span>
26	Platinum Park	DG	This is a demo review	<span style="color: red;">Delete</span>

Showing 1 to 4 of 4 entries

Previous 1 Next

## 8.2.8 Users

The screenshot displays two separate instances of the DG-Estate frontend, each showing a list of users.

**Top Instance (Admin User):**

- Header:** DG-Estate | Admin User, Log out
- Sidebar:** Dashboard, Category, Cities, Facilities, Properties, Gallery, Reviews, **Users** (selected), Change Password
- Content:**
  - Section:** Users / List
  - Table Headers:** Image, Name, Email, Type, Action
  - Table Data:**|  | Mark Specter | mark@specter.com | User |  |
|  | DG | dannyglade@xyz.com | User |  |
|  | Titan | titan@email.com | Admin |  |
- Pagination:** Showing 1 to 3 of 3 entries, Previous, Next

**Bottom Instance (Titan User):**

- Header:** DG-Estate | Titan, Log out
- Sidebar:** Dashboard, Category, Cities, Facilities, Properties, Gallery, Reviews, **Users** (selected)
- Content:**
  - Section:** Users / List
  - Table Headers:** Image, Name, Email, Type
  - Table Data:**|  | Mark Specter | mark@specter.com | User |
|  | DG | dannyglade@xyz.com | User |
- Pagination:** Showing 1 to 2 of 2 entries, Previous, Next

## 8.2.9 CMS

**CMS**

**Home Head**

Title: Welcome to DG-estate

Meta description: real estate website, dg estate

**Home Content**

Image: Current Image 

Content:

Welcome to **DG-estate**, One of *the best Real Estate Website*.  
Browse many different properties, at one place...

**About Head**

Title: About Us

Meta description: dg estate about us page

**About Content**

Image: Current Image 

Content:

About Us

Who are we?  
Lorem ipsum dolor sit amet, consectetur adipiscing elit. In egest faecibus dolor. Nunc nec nisi egest liquia malesuada condimentum a vitae neque. Suspendisse ut pulvinar justo. Donec egest mauris dolor. Nulla sed eros imperdiet, ultrices sem in, consequat nulla. Nulla in blandit arcu, at finibus odio. Etiam vel suscipit leo.

DG-Estate | Admin User

Log out

**CMS**

CMS / Edit

FAQ Head

Title: FAQs

Meta description: frequently asked quetions dg estate

FAQ Content

Content:

FAQs

How can we list properties on DG-estate?

- Quisque pretium ex convallis bibendum dictum.
- Maecenas sit amet elit ultrices, viverra urna id, posuere ligula.

Update

---

DG-Estate | Admin User

Log out

**CMS**

CMS / Edit

Terms Head

Title: Terms & Conditions

Meta description: dg estate terms & conditions

Terms Content

Content:

Terms

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Update

## 8.2.10 Site Settings

DG-Estate | Admin User Log out

- Dashboard
- Category
- Cities
- Facilities
- Properties
- Gallery
- Reviews
- Users

ROOT USER ACCESS

- CMS
- Site Settings**
- Change Password

### Site Settings

Site Settings / Edit

#### Edit Site Settings

**Main Options**

Site Title	Brand Title
DG-Estate   Real Estate Site	DG-Estate
Meta Description	Footer Content
Real Estate Site	© 2069 DG-Estate, Inc. All rights reserved.
Site Email	Site Contact
dg.real_estate@email.com	+919121291212

**Social Links**

Facebook URL	Instagram URL
https://www.facebook.com/	https://www.instagram.com/
Youtube URL	Twitter URL
https://www.youtube.com/	https://www.twitter.com/

Logo Image

Choose File No file chosen

Current Logo  Remove

**Update**

## 8.2.11 Other

The screenshot shows the 'Change Password' page for a 'Root User'. The left sidebar lists various admin functions: Dashboard, Category, Cities, Facilities, Properties, Gallery, Reviews, and Users. Under 'ROOT USER ACCESS', it shows CMS and Site Settings, with 'Change Password' highlighted. The main content area has a title 'Change Password' and a subtitle 'Root User / Change Password'. It contains three input fields: 'Old Password', 'New Password', and 'Confirm New Password', followed by a green 'Update' button.

# 9 Bug Tracking

## 9.1 Tracking Bugs

### 9.1.1 User/Admin/Root Login Module

Test Case No.	Input	Expected O/P	Actual O/P	Result
1	Email = 'admin@admin.com' Pass = '123456'	Login success	Login success	Pass
2	Email = 'abc@xyz.com'	Pass required	Pass required	Pass
3	Pass = '159654'	Email required	Email required	Pass
4	Email = 'admin@ad.com' Pass = '456123'	Email invalid	Email invalid	Pass
5	Email = 'admin@admin.com' Pass = '456123'	Invalid credentials	Invalid credentials	Pass

### 9.1.2 Category Module

Test Case No.	Input	Expected O/P	Actual O/P	Result
1	Name = 'Farm House' Image = 'img_1.jpg'	Category created	Category created	Pass
2	Name = 'Farm House' Image = 'img_1.jpg'	Category exists	Category exists	Pass
3	Image = 'img-1.jpg'	Name required	Name required	Pass
4	Name = 'Rent' Pass = 'vid_1.mp4'	Mime invalid	Mime invalid	Pass
5		Name required Image required	Name required Image required	Pass

### 9.1.3 City Module

Test Case No.	Input	Expected O/P	Actual O/P	Result
1	Name = 'Bharuch' Status = true	City created	City created	Pass
2	Name = 'Bharuch' Image = true	City exists	City exists	Pass
3	Status = false	Name required	Name required	Pass
4	Name = 'Jam Nagar' Status = false	City created	City created	Pass
5		Name required	Name required	Pass

### 9.1.4 Facility Module

Test Case No.	Input	Expected O/P	Actual O/P	Result
1	Faci = 'Dog park' Fa = '<I class= 'fa-park' /> color = primary	Facility created	Facility created	Pass
2	Faci = 'Kids park' color = info	Facility created	Facility created	Pass
3	Color = danger	Faci required	Faci required	Pass
4	Faci = 'Dog park'	Facility exists Color required	Facility exists Color required	Pass
5		Faci required Color required	Faci required Color required	Pass

## 9.1.5 Property Module

Test Case No.	Input	Expected O/P	Actual O/P	Result
1	Featured = true Public = true Title = 'shiva heights' Price = '30000' Purpose = 'rent' Category = 'apartments' Bed rooms = 2 Bath rooms = 2 Area = 5000 City = 'surat' Address = 'road,city' Phone = '1212919112' Email = 'abc@xyz.com' Facility = 'gym , park' Description = 'lorem' Video = 'link' Map = 'link' Fe image = '123.jpg' Image = '456.jpg; Floorplan = '789.jpg'	Property created	Property created	Pass
2		Title required Price required Purpose required Category required Bed rooms required Bath rooms required Area required City required Address required Phone required Email required Fe image required Image required	Title required Price required Purpose required Category required Bed rooms required Bath rooms required Area required City required Address required Phone required Email required Fe image required Image required	Pass
3	Title = 'shiva heights' Price = '30000' Purpose = 'rent' Category = 'apartments' Bed rooms = 2	Property created	Property created	Pass

Bath rooms = 2 Area = 5000 City = 'surat' Address = 'road,city' Phone = '1212919112' Email = 'abc@xyz.com' Fe image = '123.jpg' Image = '456.jpg';			
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## 9.2 Test Case

### 9.2.1 Test Case Selection

- The Presented system “DG-estate” is tested using white-box testing which is based on the internal structure of the system, may also called as testing to code, path-oriented testing, or logical-driven testing. A common goal of white-box testing to have a test case to exercise every path through a program. This may become exhaustive

### 9.2.2 White Box Testing Case

- Because exhaustive white-box testing is infeasible, test or code coverage metrics are used to select test cases, which measure the fraction of code exercised by test cases. Test cases are selected to achieve target test coverage levels.

### 9.2.3 Test Coverage Metrics

#### Statement Coverage

- The fraction of statements executed at least once in running a collection of test cases.

#### Branch Coverage

- The fraction of total branch directions that have been taken at least once in running a collection of test cases.

#### Path Coverage

- The fraction of paths taken at least once in running a collection of test case, where a “path” is defined in some way to limit the totals of feasible collection.

## 9.3 Unit Testing

The presented system is tested using unit testing. Unit testing is test of code written by a single programmer. A unit is a portion of a system implemented by a single programmer. Unit testing is exercising a unit in isolation from the rest of the system. The system then is tested using integrating Testing.

## 9.4 Integration Testing

### Top Down

- Combine, test and debug top-levelled routines that become the integration test that harms for lower-level units.

### Bottom Up

- Combine, test low level routines into progressively larger modules and subsystems.

### Sandwich

- Mainly top-down with bottom-up integration and testing applied to certain widely used components.

# 10 Limitations and Future Enhancement

## 10.1 Limitations

- If admin is just logged in admin can delete any property by just remembering it's id and making right URL.
- Delete has less secure validation.
- Root user can't track who added or updated Property or any other item.
- There is no other way to change password if user forgets the password.
- Root can simply delete a user without any kind of warning to the user.
- User can add any kind of email format to create account because there is no way to verify email.
- Users can not edit their old reviews.
- Property listers and Root can't reply to a review if a user seeks help through review.

## 10.2 Future Enhancements

- We can scale this website to an admin listed website to a platform where common users can also list their house for rent or sale.
- Views system in property, properties with more views can be considered in most viewed section on front page.
- Add map with just coordinates instead of google embed maps.
- Upgrading frontend in an SPA (Single Page Application) can improve user experience.
- More control in admin panel like able to change frontend layout.

# 11 References

These are the websites/ articles / videos / blogs which were used as reference in making of this project.

## Websites

- <https://laravel.com/docs/8.x/>
- <https://stackoverflow.com/>
- <https://getbootstrap.com/docs/5.1/getting-started/introduction/>
- <https://releases.jquery.com/>
- <https://datatables.net/manual/>
- <https://fancyapps.com/docs/ui/installation>
- <https://ckeditor.com/docs/ckeditor4/latest/guide/index.html>
- <https://youtube.com/>
- <https://www.w3schools.in/laravel-tutorial/>
- <https://www.tutorialspoint.com/laravel/index.htm>

## Videos

- <https://www.youtube.com/watch?v=ImtZ5yENzgE>
- <https://www.youtube.com/watch?v=MFh0Fd7BsjE>